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Water Resources Data for New York, Water Year 1982
Volume 2. Long Island

(U.S.) Geological Survey, Albany, NY

Jul 83

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March 3, 1849

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Water Year 1982

Volume 2. Long Island

Volume 1
Eastern New York
excluding Long Island
Volume 3
Western New York
Vol. 2 Long Is.

U.S. GEOLOGICAL SURVEY WATER-DATA REPORT NY-82-2
Prepared in cooperation with the State of New York
and with other agencies

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INFORMATION SERVICE
U.S. DEPARTMENT OF COMMERCE
SPRINGFIELD, VA. 22161

CALENDAR FOR WATER YEAR 1982

1981

OCTOBER

S	M	T	W	T	F	S
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4	5	6	7	8	9	10
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NOVEMBER

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DECEMBER

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1982

JANUARY

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31						

FEBRUARY

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28						

MARCH

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28	29	30	31			

APRIL

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MAY

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JULY

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AUGUST

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SEPTEMBER

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Water Resources Data
New York
Water Year 1982

Volume 2. Long Island

by A.G. Spinello, J.H. Nakao, W.J. Flipse, Jr., and J.G. Carcaci

Volume 1
Eastern New York
excluding Long Island
Volume 3
Western New York
Vol. 2 Long Is

U.S. GEOLOGICAL SURVEY WATER-DATA REPORT NY-82-2
Prepared in cooperation with the State of New York
and with other agencies

UNITED STATES DEPARTMENT OF THE INTERIOR

JAMES G. WATT, Secretary

GEOLOGICAL SURVEY

Dallas L. Peck, Director

For information on the water program in New York write to
District Chief, Water Resources Division
U.S. Geological Survey
U.S. Post Office and Courthouse
P.O. Box 1350
Albany, New York 12201

or
For information on the water program in Long Island write to
Subdistrict Chief, Water Resources Division
U.S. Geological Survey
5 Aerial Way
Syosset, New York 11791

1983

PREFACE

This volume of the annual hydrologic data report of New York is one of a series of annual reports that document hydrologic data gathered from the U.S. Geological Survey's surface- and ground-water data-collection networks in each State, Puerto Rico, and the Trust Territories. These records of streamflow, ground-water levels, and quality of water provide the hydrologic information needed by State, local, and Federal agencies, and the private sector for developing and managing our Nation's land and water resources. Hydrologic data for New York are contained in 3 volumes:

Volume 1. Eastern New York excluding Long Island
Volume 2. Long Island
Volume 3. Western New York

This report is the culmination of a concerted effort by dedicated personnel of the U.S. Geological Survey who collected, compiled, analyzed, verified, and organized the data, and who typed, edited, and assembled the report. In addition to the authors, who had primary responsibility for assuring that the information contained herein is accurate, complete, and adheres to Geological Survey policy and established guidelines, the following individuals contributed significantly to the collection, processing, and tabulation of the data:

D. B. Aaronson
G. E. DeBrava
P. L. Maniscalco
R. B. Winowitch

E. A. Giunta typed the text of the report.

This report was prepared in cooperation with the State of New York and with other agencies under the general supervision of L. A. Martens, District Chief, New York.

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TABLE

Table 1.	Factors for converting inch-pound units to International System Units (SI)	inside of back cover

GAGING STATIONS, IN DOWNSTREAM ORDER, FOR WHICH RECORDS ARE PUBLISHED

[*Letter after station name designates type of data: (d) discharge, (e) contents and/or elevation, (c) chemical, (b) biological, (m) microbiological, (t) water temperature, (s) sediment*]

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STREAMS ON LONG ISLAND

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WATER RESOURCES DATA FOR NEW YORK, 1982
Volume 2.--Long Island

INTRODUCTION

Water resources data for the 1982 water year for New York consist of records of stage, discharge, and water quality of streams, stage, contents, and water quality of lakes and reservoirs; water quality of precipitation; and water levels and water quality of ground-water wells. This volume contains records for water discharge at 17 gaging stations; water quality at 17 gaging stations, 349 wells, and 3 precipitation stations; and water levels at 117 observation wells. Also included are data for 77 low-flow partial-record stations. Locations of these sites are shown on pages 22-30. Additional water data were collected at various sites not involved in the systematic data collection program, and are published as miscellaneous measurements and analyses. These data together with the data in Volumes 1 and 3 represent that part of the National Water Data System operated by the U.S. Geological Survey and cooperating State, local, and Federal agencies in New York.

Records of discharge and stage of streams, and contents or stage of lakes and reservoirs were first published in a series of U.S. Geological Survey water-supply papers entitled "Surface Water Supply of the United States." Through September 30, 1960, these water-supply papers were in an annual series and then in a 5-year series for 1961-65 and 1966-70. Records of chemical quality, water temperatures, and suspended sediment were published from 1941 to 1970 in an annual series of water-supply papers entitled "Quality of Surface Waters of the United States." Records of ground-water levels were published from 1935 to 1974 in a series of water-supply papers entitled "Ground-Water levels in the United States." Water-supply papers may be consulted in the libraries of the principal cities in the United States or may be purchased from the Branch of Distribution, U.S. Geological Survey, 604 South Pickett Street, Alexandria, Virginia, 22304.

For water years 1961 through 1970, streamflow data were released by the Geological Survey in annual reports on a State-boundary basis. Water-quality records for water years 1964 through 1970 were similarly released either in separate reports or in conjunction with streamflow records.

Beginning with the 1971 water year, water data for streamflow, water quality, and ground water are published in official Survey reports on a State-boundary basis. These official Survey reports carry an identification number consisting of the two-letter State abbreviation, the last two digits of the water year, and the volume number. For example, this volume is identified as "U.S. Geological Survey Water-Data Report NY-82-2". These water-data reports are for sale, in paper copy or in microfiche, by the National Technical Information Service, U.S. Department of Commerce, Springfield, VA 22161.

Additional information, including current prices, for ordering specific reports may be obtained from the district chief at the address given on the back of the title page or by telephone (518) 472-2457.

COOPERATION

The U.S. Geological Survey and organizations of the State of New York and other agencies have had cooperative agreements for the systematic collection of water records since 1900. Organizations that assisted in collecting the data included in Volume 2 through cooperative agreements with the Survey are:

New York State Department of Environmental Conservation, Robert F. Flacke, commissioner.
County of Nassau, Department of Public Works, L. C. Hasl, commissioner.
County of Suffolk, Department of Health Services, Dr. David Harris, commissioner.
County of Suffolk, Water Authority, R. J. Flynn, chairman.

The following organizations aided in collecting records:

Nassau County Department of Health, Nassau County Department of Public Works, Suffolk County Department of Health Services and Suffolk County Water Authority.

SUMMARY OF HYDROLOGIC CONDITIONS

At the beginning of the 1982 water year, streamflow and ground-water levels were below average. Significantly above-average precipitation in January, April, and June caused a recovery to near or above-average conditions, but streamflow and ground-water levels resumed their decline during the remainder of the water year (figs. 2-5).

The maximum discharges of the 1982 water year in most eastern Long Island streams occurred during the storm of June 5, but storms in January, April, and May caused high peak discharges for the year in some streams in western Long Island. Generally, streamflow on Long Island was slightly below average throughout the water year. Maximum monthly mean discharges at most stations occurred in June; and minimum monthly mean discharges occurred during November in eastern Long Island and during September in the western part.

Ground-water levels in most wells continued a decline in the first quarter of the 1982 water year that began during the previous water year. Water levels in most shallow wells rose in response to the rainstorms in January through June, then continued to decline the rest of the year. Notably, well S4271 at Riverhead (fig. 4) continued to show a water-level rise the entire water year. A few wells in southern Nassau and Suffolk Counties had record low water-levels near the beginning of the water year.

The concentration of inorganic constituents in precipitation, surface water, and ground water during the 1982 water year showed no significant change from the previous year. Although concentrations of dissolved constituents in ground water generally are greatest in the upper glacial aquifer, significant concentrations have been detected in the upper part of the Magothy aquifer in some areas. Ground-water data from a 1-square mile area surrounding a proposed artificial-recharge site in Nassau County showed no significant changes in concentrations of organic compounds since water year 1979, when sampling started. Pesticide analyses of water from 31 wells at this recharge site are presented on pages 304-309. Water from 24 of these wells contained detectable amounts of Dieldrin, and water from 13 of the same wells contained detectable amounts of heptachlor epoxide (organochloride insecticides).

DEFINITION OF TERMS

Terms related to streamflow, water quality, and other hydrologic data, as used in this report, are defined below. See also the table for converting inch-pound system units to International System of units (SI) on the inside of the back cover.

Acre-foot (AC-FT, acre-ft) is the quantity of water required to cover 1 acre to a depth of 1 foot and is equivalent to 43,560 cubic feet or about 326,000 gallons or 1,233 cubic meters.

Algae are mostly aquatic single-celled, colonial, or multi-celled plants, containing chlorophyll and lacking roots, stems, and leaves.

Algal growth potential (AGP) is the maximum algal dry weight biomass that can be produced in a natural water sample under standardized laboratory conditions. The growth potential is the algal biomass present as stationary phase and is expressed as milligrams dry weight of algae produced per liter of sample.

Aquifer is a geologic formation, group of formations, or part of a formation that contains sufficient saturated permeable material to yield significant quantities of water to wells and springs.

Bacteria are microscopic unicellular organisms, typically spherical, rodlike, or spiral and threadlike in shape, often clumped into colonies. Some bacteria cause disease, others perform an essential role in nature in the recycling of materials; for example, by decomposing organic matter into a form available for reuse by plants.

Total coliform bacteria are a particular group of bacteria that are used as indicators of possible sewage pollution. They are characterized as aerobic or faculative anaerobic, gram-negative, nonspore-forming, rod-shaped bacteria which ferment lactose with gas formation within 48 hours at 35°C. In the laboratory these bacteria are defined as the organisms which produce colonies within 24 hours when incubated at 35°C ± 1.0°C on M-endo median (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

Fecal coliform bacteria are bacteria that are present in the intestines or feces of warm-blooded animals. They are often used as indicators of the sanitary quality of the water. In the laboratory they are defined as all organisms which produce blue colonies within 24 hours when incubated at 44.5°C ± 0.2°C on M-FC medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

Fecal streptococcal bacteria are bacteria found also in intestines of warm-blooded animals. Their presence in water is considered to verify fecal pollution. They are characterized as gram-positive, cocci bacteria which are capable of growth in brain-heart infusion broth. In the laboratory they are defined as all the organisms which produce red or pink colonies within 48 hours at 35°C ± 1.0°C on KF Streptococcus agar (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

Bed material: See Bottom material.

Biochemical oxygen demand (BOD) is a measure of the quantity of dissolved oxygen, in milligrams per liter, necessary for the decomposition of organic matter by microorganisms, such as bacteria.

Biomass is the amount of living matter present at any given time, expressed as the mass per unit area or volume of habitat.

Ash mass is the mass or amount of residue present after the residue from the dry mass determination has been ashed in a muffle furnace at a temperature of 500°C for 1 hour. The ash mass values of zooplankton and phytoplankton are expressed in grams per cubic meter (g/m^3), and periphyton and benthic organisms in grams per square meter (g/m^2).

Dry mass refers to the mass of residue present after drying in an oven at 60°C for zooplankton and 105°C for periphyton, until the mass remains unchanged. This mass represents the total organic matter, ash and sediment, in the sample. Dry mass values are expressed in the same units as ash mass.

Organic mass or volatile mass of the living substance is the difference between the dry mass and ash mass, and represents the actual mass of the living matter. The organic mass is expressed in the same units as for ash mass and dry mass.

Wet mass is the mass of living matter plus contained water.

Biomass pigment ratio is an indicator of the total proportion of periphyton which are autotrophic (plants). This is also called the Autotrophic Index.

Bottom material is the unconsolidated material of which a streambed, lake, pond, reservoir, or estuary bottom is composed.

Recoverable from bottom material is the amount of a given constituent that is in solution after a representative sample of bottom material has been digested by a method (usually using an acid or mixture of acids) that results in dissolution of only readily soluble substances. Complete dissolution of all bottom material is not achieved by the digestion treatment and thus the determination represents less than the total amount (that is, less than 95 percent) of the constituent in the sample. To achieve comparability of analytical data, equivalent digestion procedures would be required of all laboratories performing such analyses because different digestion procedures are likely to produce different analytical results.

Total in bottom material is the total amount of a given constituent in a representative sample of bottom material. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent determined. A knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to judge when the results should be reported as "total in bottom material".

Cells/volume refers to the number of cells of any organism which is counted by using a microscope and grid or counting cell. Many planktonic organisms are multicelled and are counted according to the number of contained cells per sample, usually milliliters (mL) or liters (L).

Cfs-day is the volume of water represented by flow of 1 cubic foot per second for 24 hours. It is equivalent to 86,400 cubic feet, approximately 1.9835 acre-feet, about 646,000 gallons or 2,447 cubic meters.

Chemical oxygen demand (COD) is a measure of the chemically oxidizable material in the water, and furnishes an approximation of the amount of organic and reducing material present. The determined value may correlate with natural water color or with carbonaceous organic pollution from sewage or industrial wastes.

Chlorophyll refers to the green pigments of plants. Chlorophyll a and b are the two most common pigments in plants.

Colloid is any substance with particles in such a fine state of subdivision dispersed in a medium, for example water, that they do not settle out; but not in so fine a state of subdivision that they can be said to be truly dissolved.

Color unit is produced by one milligram per liter of platinum in the form of the chloroplatinate ion. Color is expressed in units of the platinum-cobalt scale.

Confined aquifer is the term used to describe an aquifer containing water between two relatively impermeable boundaries. The water level in a well tapping a confined aquifer stands above the top of the confined aquifer and can be higher or lower than the water table (it can also be above ground level). Formerly called artesian aquifer.

Contents is the volume of water in a reservoir or lake. Unless otherwise indicated, volume is computed on the basis of a level pool and does not include bank storage.

Control designates a feature downstream from the gage that determines the stage-discharge relation at the gage. This feature may be a natural constriction of the channel, an artificial structure, or a uniform cross section over a long reach of the channel.

Control structure as used in this report is a structure on a stream or canal that is used to regulate the flow or stage of the stream or to prevent the intrusion of salt water.

Cubic feet per second per square mile (CFSM) is the average number of cubic feet of water flowing per second from each square mile of area drained, assuming that the runoff is distributed uniformly in time and area.

Cubic foot per second (FT^3/S, ft^3/s) is the rate of discharge representing a volume of 1 cubic foot passing a given point during 1 second and is equivalent to approximately 7.48 gallons per second or 448.8 gallons per minute or 0.02832 cubic meters per second.

Discharge is the volume of water (or more broadly, volume of fluid plus suspended sediment), that passes a given point within a given period of time.

Mean discharge (MEAN) is the arithmetic mean of individual daily mean discharges during a specific period.

Instantaneous discharge is the discharge at a particular instant of time.

Dissolved is that material in a representative water sample which passes through a 0.45 μm membrane filter. This is a convenient operational definition used by Federal agencies that collect water data. Determinations of "dissolved" constituents are made on subsamples of the filtrate.

Diversity index is a numerical expression of evenness of distribution of aquatic organisms. The formula for diversity index is:

$$\bar{d} = -\sum_{i=1}^{s} \frac{n_i}{n} \log_2 \frac{n_i}{n}$$

Where n_i is the number of individuals per taxon, n is the total number of individuals, and s is the total number of taxa in the sample of the community. Diversity index values range from zero when all the organisms in the sample are the same, to some positive number, when some or all of the organisms in the sample are different.

Drainage area of a stream at a specific location is that area, measured in a horizontal plane, enclosed by a topographic divide from which direct surface runoff from precipitation normally drains by gravity into the river above the specified point. Figures of drainage area given herein include all closed basins, or noncontribution areas, within the area unless otherwise noted.

Drainage basin is a part of the surface of the earth that is occupied by a drainage system, which consists of a surface stream or a body of impounded surface water together with all tributary surface streams and bodies of impounded surface water.

Gage height (G.H.) is the water-surface elevation referred to some arbitrary gage datum. Gage height is often used interchangeably with the more general term "stage," although gage height is more appropriate when used with a reading on a gage.

Gaging station is a particular site on a stream, canal, lake, or reservoir where systematic observations of hydrologic data are obtained.

Hardness of water is a physical-chemical characteristic that is commonly recognized by the increased quantity of soap required to produce lather. It is attributable to the presence of alkaline earths (principally calcium and magnesium) and is expressed as equivalent calcium carbonate ($CaCO_3$).

Hydrologic unit is a geographic area representing part or all of a surface drainage basin or distinct hydrologic feature as delineated by the Office of Water Data Coordination on the State Hydrologic Unit Maps; each hydrologic unit is identified by an 8-digit number.

Methylene blue active substance (MBAS) is a measure of apparent detergents. This determination depends on the formation of a blue color when methylene blue dye reacts with synthetic detergent compounds.

Micrograms per gram (μg/g) is a unit expressing the concentration of a chemical element as the mass (micrograms) of the element sorbed per unit mass (gram) of sediment.

Micrograms per liter (UG/L, μg/L) is a unit expressing the concentration of chemical constituents in solution as mass (micrograms) of solute per unit volume (liter) of water. One thousand micrograms per liter is equivalent to one milligram per liter.

Milligrams per liter (MG/L, mg/L) is a unit for expressing the concentration of chemical constituents in solution. Milligrams per liter represent the mass of solute per unit volume (liter) of water. Concentration of suspended sediment also is expressed in mg/L, and is based on the mass of sediment per liter of water-sediment mixture.

National Geodetic Vertical Datum of 1929 (NGVD) is a geodetic datum derived from a general adjustment of the first order level nets of both the United States and Canada. It was formerly called "Sea Level Datum of 1929" or "mean sea level" in this series of reports. Although the datum was derived from the average sea level over a period of many years at 26 tide stations along the Atlantic, Gulf of Mexico, and Pacific Coasts, it does not necessarily represent local mean sea level at any particular place.

Organic carbon (OC) is a measure of the organic matter present in aqueous solution and (or) suspension. May be reported in any of three categories (DOC, dissolved organic carbon; SOC, suspended organic carbon; TOC, total organic carbon).

Organism is any living entity, such as an insect, phytoplankter, or zooplankter.

Organism count/area refers to the number of organisms collected and enumerated in a sample and adjusted to the number per area habitat, usually square meters (m^2), acres, or hectares. Periphyton benthic organisms, and macrophytes are expressed in these terms.

Organism count/volume refers to the number of organisms collected and enumerated in a sample and adjusted to the number per sample volume, usually milliliters (mL) or liters (L). Numbers of planktonic organisms can be expressed in these terms.

Total organism count is the total number of organisms collected and enumerated in any particular sample.

Partial-record station is a particular site where limited streamflow and/or water-quality data are collected systematically over a period of years for use in hydrologic analyses.

Particle-size is the diameter, in millimeters (mm), of suspended sediment or bed material determined by either sieve or sedimentation methods. Sedimentation methods (pipet, bottom-withdrawal tube, visual-accumulation tube) determine fall diameter of particles in either distilled water (chemically dispersed) or in native water (the river water at the time and point of sampling).

Particle-size classification used in this report agrees with recommendations made by the American Geophysical Union Subcommittee on Sediment Terminology.

The classification is as follows:

Classification	Size (mm)	Method of analysis
Clay..........	0.00024 - 0.004	Sedimentation.
Silt..........	.004 - .062	Sedimentation.
Sand..........	.062 - 2.0	Sedimentation or sieve.
Gravel........	2.0 - 64.0	Sieve.

The particle-size distributions given in this report are not necessarily representative of all particles in transport in the stream. Most of the organic material is removed and the sample is subjected to mechanical and chemical dispersion before analysis in distilled water. Chemical dispersion is not used for native water analysis.

Percent composition is a unit for expressing the ratio of a particular part of a sample or population to the total sample or population, in terms of types, numbers, mass or volume.

Periphyton is the assemblage of algae, fungi, and bacteria which are attached to or live upon submerged objects in lakes or rivers.

Pesticides are chemical compounds used to control undesirable plants and animals. Major categories of pesticides include insecticides, miticides, fungicides, herbicides, and rodenticides. Insecticides and herbicides, which control insects and plants respectively, are the two categories reported.

Picocurie (PC, pCi) is one trillionth (1×10^{12}) of the amount of radioactivity represented by a curie (Ci). A curie is the amount of radioactivity that yields 3.7×10^{10}) radioactive disintegrations per second. A picocurie yields 2.22 dpm (disintegrations per minute).

Plankton is the community of suspended, floating, or weakly swimming organisms that live in the open water of lakes and rivers.

Phytoplankton is the plant part of the plankton. They are usually microscopic and their movement is subject to the water currents. Phytoplankton growth is dependent upon solar radiation and nutrient substances. Because they are able to incorporate as well as release materials to the surrounding water, the phytoplankton have a profound effect upon the quality of the water. They are the primary food producers in the aquatic environment, and are commonly known as algae.

Blue-green algae are a group of phytoplankton organisms having a blue pigment, in addition to the green pigment called chlorophyll. Blue-green algae often cause nuisance conditions in water.

Diatoms are the unicellular or colonial algae having a siliceous shell. Their concentrations are expressed as number of cells/mL of sample.

Euglenoids (Euglenophyta) are a group of algae that are usually free-swimming and rarely creeping. They have the ability to grow either photosynthetically in the light or heterotrophically in the dark.

Fire algae (Pyrrhophyta) are free-swimming unicells characterized by a red spot.

Green-algae have chlorophyll pigments similar in color to those of higher green plants. Some forms produce algal mats or floating "moss" in lakes. Their concentrations are expressed as number of cells/mL of sample.

Zooplankton is the animal part of the plankton. Zooplankton are capable of extensive movements within the water column, and are often large enough to be seen with the unaided eye. Zooplankton are secondary consumers feeding upon bacteria, phytoplankton, and detritus. Because they are the grazers in the aquatic environment, the zooplankton are a vital part of the aquatic food web. The zooplankton community is dominated by small crustaceans and rotifers.

Polychlorinated biphenyls (PCBs) are industrial chemicals that are mixtures of chlorinated biphenyl compounds having various percentages of chlorine. They are similar in structure to organochlorine insecticides.

Polychlorinated napthalenes (PCNs) are industrial chemicals that are mixtures of chlorinated napthalene compounds. They have properties and applications similar to polychlorinated biphenyls (PCBs) and have been identified in commercial PCB preparations.

Primary productivity is a measure of the rate at which new organic matter is formed and accumulated through photosynthetic and chemosynthetic activity of producer organisms (chiefly green plants). The rate of primary production is estimated by measuring the amount of oxygen released (oxygen method) or the amount of carbon assimilated by the plants (carbon method).

Milligrams of carbon per area or volume per unit time [mg $C/(m^2 \cdot time)$ for periphyton and macrophytes and mg $C/(m^3 \cdot time)$] for phytoplankton are units for expressing primary productivity. They define the amount of carbon dioxide consumed as measured by radioactive carbon (carbon 14). The carbon 14 method is of greater sensitivity than the oxygen light and dark bottle method, and is preferred for use in unenriched waters. Unit time may be either the hour or day, depending on the incubation period.

Milligrams of oxygen per area or volume per unit time [mg $O_2/(m^2 \cdot time)$ for periphyton and macrophytes and mg $O_2/(m^3 \cdot time)$] for phytoplankton are the units for expressing primary productivity. They define production and respiration rates as estimated from changes in the measured dissolved oxygen concentration. The oxygen light and dark bottle method is preferred if the rate of primary production is sufficient for accurate measurements to be made within 24 hours. Unit time may be either the hour or day, depending on the incubation period.

Runoff in inches (IN., in.) shows the depth to which the drainage area would be covered if all the runoff for a given time period were uniformly distributed on it.

Sediment is solid material that originates mostly from disintegrated rocks and is transported by, suspended in, or deposited from water; it includes chemical and biochemical precipitates and decomposed organic material, such as humus. The quantity, characteristics, and cause of the occurrence of sediment in streams are influenced by environmental factors. Some major factors are degree of slope, length of slope, soil characteristics, land usage, and quantity and intensity of precipitation.

Suspended sediment is the sediment that at any given time is maintained in suspension by the upward components of turbulent currents or that exists in suspension as a colloid.

Suspended-sediment concentration is the velocity-weighted concentration of suspended sediment in the sampled zone (from the water surface to a point approximately 0.3 ft above the bed) expressed as milligrams of dry sediment per liter of water-sediment mixture (mg/L).

Suspended-sediment discharge (tons/day) is the rate at which dry weight of sediment passes a section of a stream or is the quantity of sediment, as measured by dry weight or volume, that passes a section in a given time. It is computed by multiplying discharge times mg/L times 0.0027.

Total sediment discharge (tons/day) is the sum of the suspended-sediment discharge and the bed-load discharge. It is the total quantity of sediment, as measured by dry weight or volume, that passes a section during a given time.

Mean concentration is the time-weighted concentration of suspended sediment passing a stream section during a 24-hour day.

Solute is any substance derived from the atmosphere, vegetation, soil, or rocks that is dissolved in water.

Specific conductance is a measure of the ability of a water to conduct an electrical current. It is expressed in micromhos per centimeter at 25°C. Specific conductance is related to the type and concentrations of ions in solution and can be used for approximating the dissolved-solids content of the water. Commonly, the concentration of dissolved solids (in milligrams per liter) is about 65 percent of the specific conductance (in micromhos). This relation is not constant from stream to stream, and it may vary in the same source with changes in the composition of the water.

Stage-discharge relation is the relation between gage height (stage) and volume of water per unit of time, flowing in a channel.

Streamflow is the discharge that occurs in a natural channel. Although the term "discharge" can be applied to the flow of a canal, the word "streamflow" uniquely describes the discharge in a surface stream course. The term "streamflow" is more general than "runoff" as streamflow may be applied to discharge whether or not it is affected by diversion or regulation.

Substrate is the physical surface upon which an organism lived.

Natural substrates refers to any naturally occurring emersed or submersed solid surface, such as a rock or tree, upon which an organism lived.

Artificial substrate is a device which is purposely placed in a stream or lake for colonization of organisms. The artificial substrate simplifies the community structure by standardizing the substrate from which each sample is taken. Examples of artificial substrates are basket samplers (made of wire cages filled with clean streamside rocks) and multi-plate samplers (made of hardboard) for benthic organism collection, and plexiglass strips for periphyton collection.

Surface area of a lake is that area outlined on the latest U.S.G.S. topographic map as a boundary of the lake and measured by a planimeter in acres. In localities not covered by topographic maps, the areas are computed from the best maps available at the time planimetered. All areas shown are those for the stage when the planimetered map was made.

Surficial bed material is that part (0.1 to 0.2 ft) of the bed material that is sampled using U.S. Series Bed-Material Samplers.

Suspended (as used in tables of chemical analyses) refers to the amount (concentration) of the total concentration in a water-sediment mixture. The water-sediment mixture is associated with (or sorbed on) that material retained on a 0.45 um filter.

Suspended, recoverable is the amount of a given constituent that is in solution after the part of a representative water-suspended sediment sample that is retained on a 0.45 um membrane filter has been digested by a method (usually using a dilute acid solution) that results in dissolution of only readily soluble substances. Complete dissolution of all the particulate matter is not achieved by the digestion treatment and thus the determination represents something less than the "total" amount (that is, less than 95 percent) of the constituent present in the sample. To achieve comparability of analytical data, equivalent digestion procedures would be required of all laboratories performing such analyses because different digestion procedures are likely to produce different analytical results.

Determinations of "suspended, recoverable" constituents are made either by analyzing portions of the material collected on the filter or, more commonly, by difference, based on determinations of (1) dissolved and (2) total recoverable concentrations of the constituent.

Suspended, total is the total amount of a given constituent in the part of a representative water-suspended sediment sample that is retained on a 0.45 um membrane filter. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent determined. A knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to determine when the results should be reported as "suspended, total".

Determinations of "suspended, total" constituents are made either by analyzing portions of the material collected on the filter or, more commonly, by difference, based on determinations of (1) dissolved and (2) total concentrations of the constituent.

Taxonomy is the division of biology concerned with the classification and naming of organisms. The classification of organisms is based upon a hierarchical scheme beginning with Kingdom and ending with Species at the base. The higher the classification level, the fewer features the organisms have in common. For example, the taxonomy of a particular mayfly, Hexagenia limbata is the following:

Kingdom.................Animal
Phylum..............Arthropoda
Class..................Insecta
Order............Ephemeroptera
Family.............Ephemeridae
Genus................Hexageria
Species......Hexagenia limbata

Time-weighted average is computed by multiplying the number of days in the sampling period by the concentrations of individual constituents for the corresponding period and dividing the sum of the products by the total number of days. A time-weighted average represents the composition of water that would be contained in a vessel or reservoir that had received equal quantities of water from the stream each day for the year.

Tons per acre-foot indicates the dry mass of dissolved solids in 1 acre-foot of water. It is computed by multiplying the concentration in milligrams per liter by 0.00136.

Tons per day is the quantity of substance in solution or suspension that passes a stream section during a 24-hour day.

Total (as used in tables of chemical analyses):

Total is the total amount of a given constituent in a representative water-suspended sediment sample, regardless of the constituent's physical or chemical form. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent present in both the dissolved and suspended phases of the sample. A knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to judge when the results should be reported as "total". (Note that the word "total" does double duty here, indicating both that the sample consists of a water-suspended sediment mixture and that the analytical method determines all of the constituent in the sample).

Total, recoverable is the amount of a given constituent that is in solution after a representative water-suspended sediment sample has been digested by a method (usually using a dilute acid solution) that results in dissolution of only readily soluble substances. Complete dissolution of all particulate matter is not achieved by the digestion treatment, and thus the determination represents something less than the "total" amount (that is, less than 95 percent) of the constituent present in the dissolved and suspended phases of the sample. To achieve comparability of analytical data, equivalent digestion procedures would be required of all laboratories performing such analyses because different digestion procedures are likely to produce different analytical results.

When virtually all of a constituent is present in the dissolved phase, the reported value for the dissolved constituent may appear slightly greater than that for the total determination. The difference is within the standard laboratory error for the analytical methods used.

Total load (tons) is the total quantity of any individual constituent, as measured by dry mass or volume, that is dissolved in a specific amount of water (discharge) during a given time. It is computed by multiplying the total discharge, times the mg/L of the constituent, times the factor 0.0027, times the number of days.

Total organic carbon (TOC) is a measure of all organic matter present in aqueous solution and suspension.

Water table is the surface of a ground-water body at which the water is at atmospheric pressure. It is defined by the levels at which water stands in wells that penetrate the water body just far enough to hold standing water.

Water-table aquifer is an unconfined aquifer whose upper boundary is the water table.

Weighted average is used in this report to indicate discharge-weighted average. It is computed by multiplying the discharge for a sampling period by the concentrations of individual constituents for the corresponding period and dividing the sum of the products by the sum of the discharges. A discharge-weighted average approximates the composition of water that would be found in a reservoir containing all the water passing a given location during the water year after thorough mixing in the reservoir.

WRD is used as an abbreviation for "Water Resources Data" in the REVISED RECORDS paragraph to refer to State annual basic-data reports published before 1975.

WSP is used as an abbreviation for "Water-Supply Paper" in references to previously published reports.

DOWNSTREAM ORDER AND STATION NUMBERS

Since October 1, 1950, the order of listing hydrologic-station records in Survey reports is in a downstream direction along the main stream. All stations on a tributary entering upstream from a main-stream station are listed before that station. A station on a tributary that enters between two main-stream stations is listed between them. A similar order is followed in listing stations on first rank, second rank, and other ranks of tributaries. The rank of any tributary on which a station is situated with respect to the stream to which it is immediately tributary is indicated by an indention in a list of stations in the front of the report. Each indention represents one rank. This downstream order and system of indention show which stations are on tributaries between any two stations and the rank of the tributary on which each station is situated.

As an added means of identification, each hydrologic station, partial-record station, and miscellaneous site has been assigned a station number. These are in the same downstream order used in this report. In assigning station numbers, no distinction is made between partial-record stations, miscellaneous sites, and other stations; therefore, the station number for a partial-record station or a miscellaneous site indicates downstream-order position in a list made up of all types of stations. Gaps are left in the series of numbers to allow for new stations that may be established; hence, the numbers are not consecutive. The complete 8-digit number for each station such as 01300500 includes the 2-digit part number "01" plus the 6-digit downstream order number "300500". (In a few instances where no gaps were left in the 8-digit numbering sequence it was necessary to add one or two digits for identification; hence, there are a few stations or miscellaneous sites with 9-or 10-digit numbers.) (If random water-quality samples are taken at a miscellaneous site where a 9-or a 10-digit downstream order identification number is used, that site is assigned a latitude-longitude number.)

NUMBERING SYSTEM FOR WELLS

The 8-digit downstream order station numbers are not assigned to wells. The well-numbering system of the U.S. Geological Survey is based on the grid system of latitude and longitude. The system provides the geographic location of the well and a unique number for each site. The number consists of 15 digits. The first 6 digits denote the degrees, minutes, and seconds of latitude, the next 7 digits denote degrees, minutes, and seconds of longitude, and the last 2 digits (assigned sequentially) identify the wells within a 1-second grid. See figure 1 below.

A local well-numbering system is also used. It is a 2-part identifier, assigned by the New York State Department of Environmental Conservation, consisting of the abbreviation of county name and the serial number of the well within the county.

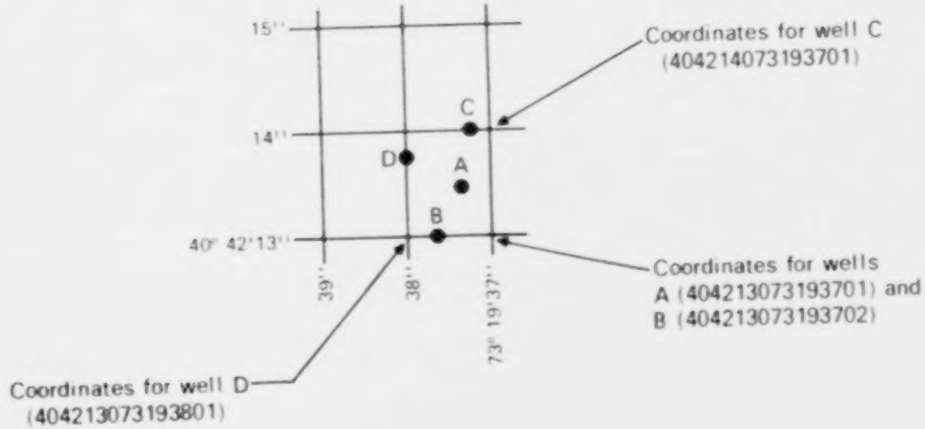


Figure 1. System for numbering wells (latitude and longitude).

SPECIAL NETWORKS AND PROGRAMS

Hydrologic bench-mark station is one that provides hydrologic data for a basin in which the hydrologic regimen will likely be governed solely by natural conditions. Data collected at a bench-mark station may be used to separate effects of natural from manmade changes in other basins which have been developed and in which the physiography, climate, and geology are similar to those in the undeveloped bench-mark basin.

National stream-quality accounting network (NASQAN) is a data collection network designed by the U.S. Geological Survey to meet many of the information demands of agencies or groups involved in national or regional water-quality planning and management. Both accounting and broad-scale monitoring objectives have been incorporated into the network design. Areal configuration of the network is based on river-basin accounting units (identified by 8-digit hydrologic-unit numbers) designated by the Office of Water Data Coordination in consultation with the Water Resources Council. Primary objectives of the network are (1) to depict areal variability of streamflow and water-quality conditions nationwide on a year-by-year basis and (2) to detect and assess long-term changes in streamflow and stream quality.

Pesticide program is a network of regularly sampled water-quality stations where samples are collected to determine the concentration and distribution of pesticides in streams where potential contamination could result from the application of the commonly used insecticides and herbicides. Operation of the network is a Federal interagency activity.

Radiochemical program is a network of regularly sampled water-quality stations where samples are collected to be analyzed for radioisotopes. The streams that are sampled represent major drainage basins in the conterminous United States.

EXPLANATION OF STAGE AND WATER-DISCHARGE RECORDS

Collection and Computation of Data

The base data collected at gaging stations consist of records of stage and measurements of discharge of streams or canals, and stage, surface area, and contents of lakes or reservoirs. In addition, observations of factors affecting the stage-discharge relation or the stage-capacity relation, weather records, and other information are used to supplement base data in determining the daily flow or volume of water in storage. Records of stage are obtained from either direct readings on a nonrecording gage or from a water-stage recorder that gives either a continuous graph of the fluctuations or a tape punched at selected time intervals. Measurements of discharge are made with a current meter, using the general methods adopted by the Geological Survey. These methods are described in standard textbooks, in Water-Supply Paper 2175, and in U.S. Geological Survey Techniques of Water Resources Investigations, book 3, chapter A6.

For stream-gaging stations, rating tables giving the discharge for any stage are prepared from stage-discharge relation curves. If extensions to the rating curves are necessary to express discharge greater than measured, they are made on the basis of indirect measurements of peak discharge (such as slope-area or contracted-opening measurements, computation of flow over dams or weirs), step-backwater techniques, velocity-area studies, and logarithmic plotting. The daily mean discharge is computed from gage heights and rating tables, then the monthly and yearly mean discharges are computed from the daily figures. If the stage-discharge relation is subject to change because of frequent or continual change in the physical features that form the control, the daily mean discharge is computed by the shifting-control method, in which correction factors based on individual discharge measurements and notes by engineers and observers are used in applying the gage heights to the rating tables. If the stage-discharge relation for a station is temporarily changed by the presence of aquatic growth or debris on the control, the daily mean discharge is computed by what is basically the shifting-control method.

At some stream-gaging stations the stage-discharge relation is affected by the backwater from reservoirs, tributary streams, or other sources. This necessitates the use of the slope method in which the slope or fall in a reach of the stream is a factor in computing discharge. The slope or fall is obtained by means of an auxiliary gage set at some distance from the base gage. At some stations the stage-discharge relation is affected by changing stage; at these stations the rate of change in stage is used as a factor in computing discharge.

At some stream-gaging stations the stage-discharge relation is affected by ice in the winter, and it becomes impossible to compute the discharge in the usual manner. Discharge for periods of ice effect is computed on the basis of gage-height record and occasional winter discharge measurements. Consideration is given to the available information on temperature and precipitation, notes by gage observers and hydrologists, and comparable records of discharge for other stations in the same or nearby basins.

For a lake or reservoir station, capacity tables giving the contents for any stage are prepared from stage-area relation curves defined by surveys. The application of the stage to the capacity table gives the contents, from which the daily, monthly, or yearly change in contents is computed.

If the stage-capacity curve is subject to changes because of deposition of sediment in the reservoir, periodic resurveys of the reservoir are necessary to define new stage-capacity curves. During the period between reservoir surveys the computed contents may be increasingly in error due to the gradual accumulation of sediment.

For some gaging stations there are periods when no gage-height record is obtained or the recorded gage height is so faulty that it cannot be used to compute daily discharge or contents. This happens when the recorder stops or otherwise fails to operate properly, intakes are plugged, the float is frozen in the well, or for various other reasons. For such periods the daily discharges are estimated on the basis of recorded range in stage, prior and subsequent records, discharge measurements, weather records, and comparison with records for other stations in the same or nearby basins. Likewise daily contents may be estimated on the basis of operator's log, prior and subsequent records, inflow-outflow studies, and other information.

The data in this report generally comprise a description of the station and tabulations of daily and monthly figures. For gaging stations on streams or canals a table showing the daily discharge and monthly and yearly discharge is given. For gaging stations on lakes and reservoirs a monthly summary table of stage and contents or a table showing the daily contents is given. Tables of daily mean gage heights are included for some streamflow stations and for some reservoir stations. Records are published for the water year, which begins on October 1 and ends on September 30.

The description of the gaging station gives the location, drainage area, period of record, notations of revisions of previously published records, type and history of gages, general remarks, average discharge, and extremes of discharge or contents. The location of the gaging station and the drainage area are obtained from the most accurate maps available. River mileage, given under "LOCATION" for some stations, is that determined and used by the Corps of Engineers or other agencies. Periods for which there are published records for the present station or for stations generally equivalent to the present one are given under "PERIOD OF RECORD."

Previously published streamflow records of some stations have been found to be in error on the basis of data or information later obtained. Revisions of such records are usually published along with the current records in one of the annual or compilation reports. In order to make it easier to find such revised records, a paragraph headed "REVISED RECORDS" has been added to the description of all stations for which revised records have been published. Listed therein are all the reports in which revisions have been published, each followed by the water years for which figures are revised in that report. In listing the water years only one number is given; for instance, 1965 stands for the water year October 1, 1964, to September 30, 1965. If no daily, monthly or annual figures of discharge are affected by the revision, the fact is brought out by notations after the year dates as follows: "(M)" means that only the instantaneous maximum discharge was revised; "(m)" that only the instantaneous minimum was revised; and "(P)" that only peak discharges were revised. If the drainage area has been revised, the report in which the revised figure was first published is given. It should be noted that for ll stations for which cubic feet per second per square mile and runoff in inches are published, a revision of the drainage area necessitates corresponding revision of all figures based on the drainage area. Revised figures of cubic feet per second per square mile and runoff in inches resulting from a revision of the drainage area only are usually not published in the annual series of reports.

The type of gage currently in use; the datum of the present gage referred to National Geodetic Vertical Datum; and a condensed history of the types, locations, and datums of previous gages used during the period of record are given under "GAGE." National Geodetic Vertical Datum is explained in "DEFINITION OF TERMS" on page 6.

Information pertaining to the accuracy of the discharge records and to conditions which affect the natural flow of the gaging station is given under "REMARKS." For reservoir stations information on the dam forming the reservoir, the capacity, outlet works and spillway, and purpose and use of the reservoir is given under "REMARKS."

The average discharge for the number of years indicated is given under "AVERAGE DISCHARGE"; it is not given for stations having fewer than 5 complete years of record or for stations where changes in water development during the period of record cause the figure to have little significance. In addition, the median of yearly mean discharges is given for stream-gaging stations having 10 or more complete years of record if the median differs from the average by more than 10 percent. Under "EXTREMES" are given first, the extremes for the period of record, second, information available outside the period of record, and last, those for the current year. Unless otherwise qualified, the maximum discharge (or contents) is the instantaneous maximum corresponding to the crest stage obtained by use of a water-stage recorder (graphic or digital), a crest-stage gage, or a nonrecording gage read at the time of the crest. If the maximum gage height did not occur on the same day as the maximum discharge (or contents), it is given separately. Similarly, the minimum is the instantaneous minimum unless otherwise qualified. For some stations peak discharges are listed with "EXTREMES FOR THE CURRENT YEAR"; if they are, all independent peaks, including the maximum for the year, above the selected base with the time of occurrence and corresponding gage heights are published in tabular format. The base discharge, which is given in the table heading, is selected so that an average of about three peaks a year will be presented. Peak discharges are not published for any canals, ditches, drains, or for any stream for which the peaks are subject to substantial control by man. Time of day is expressed in 24-hour local standard time; for example, 12:30 a.m. is 0030, 1:30 p.m. is 1330. The minimums for these stations are published in a separate paragraph following the table of peaks.

The daily table for stream-gaging stations gives the mean discharge for each day and is followed by monthly and yearly summaries. In the monthly summary below the daily table, the line headed "TOTAL" gives the sum of the daily figures. The line headed "MEAN" gives the average flow in cubic feet per second during the month. The lines headed "MAX" and "MIN" give the maximum and minimum discharges, respectively, for the month. Discharge for the month also may be expressed in cubic feet per second per square mile (line headed "CFSM"), or in inches (line headed "IN."). Figures for cubic feet per second per square mile and runoff in inches are omitted if there is extensive regulation or diversion, if the drainage area includes large noncontributing areas, or if the average annual rainfall over the drainage basin is usually less than 20 inches. In the yearly summary below the monthly summary, the figures shown are the appropriate daily discharges for the calendar and water years.

Footnotes to the table of daily discharge are introduced by the word "NOTE." Footnotes are used to indicate periods for which the discharge is computed or estimated by special methods because of no gage-height record, backwater from various sources, or other unusual conditions. Periods of no gage-height record are indicated if the period is continuous for a month or more or includes the maximum discharge for the year. Periods of backwater from an unusual source, of indefinite stage-relation, or of any other unusual condition at the gage site are indicated only if they are a month or more in length and the accuracy of the records is affected. Days on which the stage-discharge relation is affected by ice are not indicated. The methods used in computing discharge for various unusual conditions have been explained in preceding paragraphs.

For most gaging stations on lakes and reservoirs the data presented comprise a description of the station and a monthly summary table of stage and contents. For some reservoirs a table showing daily contents or stage is given. A skeleton table of capacity at given stages is published for all reservoirs for which records are published on a daily basis, but is not published for reservoirs for which only monthly data are given.

Data collected at partial-record stations follow the information for continuous-record sites. Data for partial-record discharge stations are presented in two tables. The first is a table of discharge measurements at low-flow partial-record stations, and the second is a table of annual maximum stage and discharge at crest-stage stations. The tables of partial-record stations are followed by a listing of discharge measurements made at sites other than continuous records or partial-record stations. Occasionally, a series of discharge measurements are made within a short time period to investigate the seepage gains or losses along a reach of a stream or to determine the low-flow characteristics of an area. Such measurements are also given in special tables following the tables of partial-record stations.

Accuracy of Field Data and Computed Results

The accuracy of streamflow data depends primarily on (1) the stability of the stage-discharge relation or, if the control is unstable, the frequency of discharge measurements, and (2) the accuracy of observations of stage, measurements of discharge, and interpretations of records.

The station description under "REMARKS" states the degree of accuracy of the records. "Excellent" means that about 95 percent of the daily discharges are within 5 percent; "good," within 10 percent; and "fair," within 15 percent. "Poor" means that daily discharges have less than "fair" accuracy.

Figures of daily mean discharge in this report are shown to the nearest hundredth of a cubic foot per second for discharges of less than 1 ft^3/s; to tenths between 1.0 and 10 ft^3/s; to whole numbers between 10 and 1,000 ft^3/s; and to 3 significant figures above 1,000 ft^3/s. The number of significant figures used is based solely on the magnitude of the figure. The same rounding rules apply to discharge figures listed for partial-record stations.

Discharge at many stations, as indicated by the monthly mean, may not reflect natural runoff due to the effects of diversion, consumption, regulation by storage, increase or decrease in evaporation due to artificial causes, or to other factors. For such stations, figures of cubic feet per second per square mile and of runoff in inches are not published unless satisfactory adjustments can be made for diversions, for changes in contents of reservoirs, or for other changes incident to use and control. Evaporation from a reservoir is not included in the adjustments for changes in reservoir contents, unless it is so stated. Even at those stations where large adjustments are made, large errors in computed runoff may occur if adjustments or losses are large in comparison with the observed discharge.

Other Data Available

Information of a more detailed nature than that published for most of the gaging stations such as observations of water temperatures, discharge measurements, gage-height records, and rating tables is on file in the district office. Also most gaging-station records are available in computer-usable form and many statistical analyses have been made.

Information on the availability of unpublished data or statistical analyses may be obtained from the district office.

EXPLANATION OF WATER-QUALITY RECORDS

Classification of Records

Water-quality data for surface-water sites are grouped into one of three classifications. A continuing record station is a site where data are collected on a regularly scheduled basis. Frequency may be once or more times daily, weekly, monthly, or quarterly. A partial-record station is a site where limited water-quality data are collected systematically over a period of years. Frequency of sampling is usually less than quarterly. A miscellaneous sampling site is a location other than a continuing or partial-record station, where random samples are collected to give better areal coverage to define water-quality conditions in the river basin.

Arrangement of Records

Water-quality records collected at a surface-water daily record station are published immediately following that record, regardless of the frequency of sample collection. Station number and name are the same for both records. Where a surface-water daily record station is not available or where the water quality differs significantly from that at the nearby surface-water station, the continuing water-quality record is published with its own station number and name in the regular downstream order sequence. Water-quality data for partial-record stations and for miscellaneous sampling sites appear in separate tables following the table of discharge measurements at miscellaneous sites. Data for precipitation-quality stations appears next. The table of ground-water quality follows ground-water level records. Data for quality of ground water is listed alphabetically by County, and is identified by well number.

Descriptive Headings

For continuing record stations, data is preceded by information pertinent to the history of station operation. These descriptive headings give details regarding location, drainage area, period of record, type of data available, instrumentation, general remarks, cooperation, and extremes for parameters currently measured daily. Headings for precipitation-quality records include location information and a description of the sample collector.

Water Analysis

Most methods for collecting and analyzing water samples are described in the U.S. Geological Survey Techniques of Water-Resources Investigations listed on a following page.

One sample can define adequately the water quality at a given time if the mixture of solutes throughout the stream cross section is homogeneous. However, the concentration of solutes at different locations in the cross section may vary widely with different rates of water discharge, depending on the source of material and the turbulence and mixing of the stream. Some streams must be sampled through several vertical sections to obtain a representative sample needed for an accurate mean concentration and for use in calculating load.

Chemical-quality data published in this report are considered to be the most representative values available for the stations listed. The values reported represent water-quality conditions at the time of sampling as much as possible, consistent with available sampling techniques and methods of analysis. In the rare case where an apparent inconsistency exists between a reported pH value and the relative abundance of carbon dioxide species (carbonate and bicarbonate), the inconsistency is the result of a slight uptake of carbon dioxide from the air by the sample between measurement of pH in the field and determination of carbonate and bicarbonate in the laboratory.

Terminology used in reporting chemical constituents is an indication of whether all or only part of a constituent associated with the solids in a water-quality sample is determined by a chemical analysis. (See preceding section, "Definition of Terms.") The "recoverable" in the terms "Suspended, recoverable", "Total, recoverable", and "Recoverable from bottom material" indicates that the constituent was digested by a method that results in the dissolution of only readily soluble substances. Thus, the determination may not represent all of the constituent actually present in the sample. The "total" in the terms "Total", "Suspended, total", and "Total in bottom material" is used only when the analytical procedure assures measurement of at least 95 percent of the constituent determined.

For chemical-quality stations equipped with digital monitors, the records consist of daily maximum, minimum, and mean values for each constituent measured and are based upon hourly punches beginning at 0100 hours and ending at 2400 hours for the day of record. More detailed records (hourly values) may be obtained from the district office.

Water Temperatures

Water temperatures are measured at most of the water-quality stations. In addition, water temperatures are taken at time of discharge measurements for water-discharge stations. For stations where water temperatures are taken manually once or twice daily, the water temperatures are taken at about the same time each day. Large streams have a small diurnal temperature change; shallow streams may have a daily range of several degrees and may follow closely the changes in air temperature. Some streams may be affected by waste-heat discharges.

At stations where recording instruments are used, either mean temperatures and/or maximum and minimum temperatures for each day are published.

Sediment

Suspended-sediment concentrations are determined from samples collected by using depth-integrating samplers. Samples usually are obtained at several verticals in the cross-section, or a single sample may be obtained at a fixed point and a coefficient applied to determine the mean concentration in the cross sections.

At NASQAN stations, suspended-sediment samples were collected periodically at many verticals in the stream cross section. Although data collected periodically may represent conditions only at the time of observations, such data are useful in establishing seasonal relations between quality and streamflow in predicting long-term sediment-discharge characteristics of the stream.

Measurements of particle-size distribution for suspended sediment have not been made for Long Island streams. Based on visual inspection of samples, the proportion of suspended sediment finer than 0.062 mm has been assumed to be greater than 95%.

EXPLANATION OF GROUND-WATER LEVEL RECORDS

Collection of Data

Only ground-water level data from a basic network of observation wells are published herein. This basic network contains observation wells so located that the most significant data are obtained from the fewest wells in the most important aquifers.

Each well is identified by means of (1) a 15-digit number that is based on latitude and longitude and (2) a local number that is provided for local needs. See figure 1.

Measurements are made in many types of wells, under varying conditions of access and at different temperatures, hence, neither the method of measurement nor the equipment can be standardized. At each observation well, however, the equipment and techniques used are those that will ensure that measurements at each well are consistent.

Water-level measurements in this report are given in feet in reference to National Geodetic Vertical Datum of 1929. National Geodetic Vertical Datum of 1929 is the datum plane on which the national network of precise levels is based; land-surface datum is a datum plane that is approximately at land surface at each well. If known, the altitude of the land-surface datum in reference to National Geodetic Vertical Datum of 1929 is given in the well description. The height of the measuring point (MP) above or below land-surface datum is given in each well description. Water levels in wells equipped with recording gages are reported for every fifth day and the end of each month (eom).

Water levels are reported to as many significant figures as can be justified by the local conditions. For example, in a measurement of a depth to water of several hundred feet, the error in determining the absolute value of the total depth to water may be a few tenths of a foot, whereas the error in determining the net change of water level between successive measurements may be only a hundredth or a few hundredths of a foot. For lesser depths to water the accuracy is greater. Accordingly, most measurements are reported to a hundredth of a foot, but some are given to a tenth of a foot.

PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS

Thirty-seven manuals by the U.S. Geological Survey have been published to date in the series on techniques describing procedures for planning and executing specialized work in water-resources investigations. The material is grouped under major subject headings called books and is further divided into sections and chapters. For example, Section A of Book 3 (Applications of Hydraulics) is on surface water. The chapter, the unit of publication, is limited to a narrow field of subject matter. This format permits flexibility in revision and publication as the need arises. The reports listed below are for sale by the U.S. Geological Survey, Branch of Distribution, 604 South Pickett St., Arlington, VA 22304 (authorized agent of the Superintendent of Documents, Government Printing Office).

NOTE: When ordering any of these publications, please give the title, book number, chapter number, and "U.S. Geological Survey Techniques of Water-Resources Investigations".

1-D1. *Water temperature-influential factors, field measurement, and data presentation*, by H. H. Stevens Jr., J. F. Ficke, and G. F. Smoot: USGS--TWRI Book 1, Chapter D1. 1975. 65 pages.
1-D2. *Guidelines for collection and field analysis of ground-water samples for selected unstable constituents*, by W. W. Wood: USGS--TWRI Book 1, Chapter D2. 1976. 24 pages.
2-D1. *Application of surface geophysics to ground-water investigations*, by A. A. R. Zohdy, G. P. Eaton, and D. R. Mabey: USGS--TWRI Book 2, Chapter D1. 1974. 116 pages.
2-E1. *Application of borehole geophysics to water-resources investigations*, by W. S. Keys and L. M. MacCary: USGS--TWRI Book 2, Chapter E1. 1971. 126 pages.
3-A1. *General field and office procedures for indirect discharge measurements*, by M. A. Benson and Tate Dalrymple: USGS--TWRI Book 3, Chapter A1. 1967. 30 pages.
3-A2. *Measurement of peak discharge by the slope-area method*, by Tate Dalrymple and M. A. Benson: USGS--TWRI Book 3, Chapter A2. 1967. 12 pages.
3-A3. *Measurement of peak discharge at culverts by indirect methods*, by G. L. Bodhaine: USGS--TWRI Book 3, Chapter A3. 1968. 60 pages.
3-A4. *Measurement of peak discharge at width contractions by indirect methods*, by H. F. Matthai: USGS--TWRI Book 3, Chapter A4. 1967. 44 pages.
3-A5. *Measurement of peak discharge at dams by indirect methods*, by Harry Hulsing: USGS--TWRI Book 3, Chapter A5. 1967. 29 pages.
3-A6. *General procedure for gaging streams*, by R. W. Carter and Jacob Davidian: USGS--TWRI Book 3, Chapter A6. 1968. 13 pages.
3-A7. *Stage measurements at gaging stations*, by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A7. 1968. 28 pages.
3-A8. *Discharge measurements at gaging stations*, by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A8. 1969. 65 pages.
3-A9. *Measurement of time of travel and dispersion in streams by dye tracing*, by E. F. Hubbard, F. A. Kilpatrick, L. A. Martens, and J. F. Wilson, Jr.: USGS--TWRI Book 3, Chapter A9. 1982. 44 pages.
3-A11. *Measurement of discharge by moving-boat method*, G. F. Smoot and C. E. Novak: USGS--TWRI Book 3, Chapter A11. 1969. 22 pages.
3-B1. *Aquifer-test design, observation, and data analysis*, by R. W. Stallman: USGS--TWRI Book 3, Chapter B1. 1971. 26 pages.
3-B2. *Introduction to ground-water hydraulics, a programed text for self-instruction*, by G. D. Bennett: USGS--TWRI Book 3, Chapter B2. 1976. 172 pages.
3-B3. *Type curves for selected problems of flow to wells in confined aquifers*, by J. E. Reed: USGS--TWRI Book 3, Chapter B3. 1980. 106 pages.
3-C1. *Fluvial sediment concepts*, by H. P. Guy: USGS--TWRI Book 3, Chapter C1. 1970. 55 pages.
3-C2. *Field methods for measurement of fluvial sediment*, by H. P. Guy and V. W. Norman: USGS--TWRI Book 3, Chapter C2. 1970. 59 pages.
3-C3. *Computation of fluvial-sediment discharge*, by George Porterfield: USGS--TWRI Book 3, Chapter C3. 1972. 66 pages.
4-A1. *Some statistical tools in hydrology*, by H. C. Riggs: USGS--TWRI Book 4, Chapter A1. 1968. 39 pages.
4-A2. *Frequency curves*, by H. C. Riggs: USGS--TWRI Book 4, Chapter A2. 1968. 15 pages.
4-B1. *Low-flow investigations*, by H. C. Riggs: USGS--TWRI Book 4, Chapter B1. 1972. 18 pages.
4-B2. *Storage analyses for water supply*, by H. C. Riggs and C. H. Hardison: USGS--TWRI Book 4, Chapter B2. 1973. 20 pages.
4-B3. *Regional analyses of streamflow characteristics*, by H. C. Riggs: USGS--TWRI Book 4, Chapter B3. 1973. 15 pages.
4-D1. *Computation of rate and volume of stream depletion by wells*, by C. T. Jenkins: USGS--TWRI Book 4, Chapter D1. 1970. 17 pages.
5-A1. *Methods for determination of inorganic substances in water and fluvial sediments*, by M. W. Skougstad and others, editors: USGS--TWRI Book 5, Chapter A1. 1979. 626 pages.
5-A2. *Determination of minor elements in water by emission spectroscopy*, by P. R. Barnett and E. C. Mallory, Jr.: USGS--TWRI Book 5, Chapter A2. 1971. 31 pages.
5-A3. *Methods for analysis of organic substances in water*, by D. F. Goerlitz and Eugene Brown: USGS--TWRI Book 5, Chapter A3. 1972. 40 pages.
5-A4. *Methods for collection and analysis of aquatic biological and microbiological samples*, edited by P. E. Greeson, T. A. Ehlke, G. A. Irwin, B. W. Lium, and K. V. Slack: USGS--TWRI Book 5, Chapter A4. 1977. 332 pages.
5-A5. *Methods for determination of radioactive substances in water and fluvial sediments*, by L. L. Thatcher, V. J. Janzer, and K. W. Edwards: USGS--TWRI Book 5, Chapter A5. 1977. 95 pages.
5-C1. *Laboratory theory and methods for sediment analysis*, by H. P. Guy: USGS--TWRI Book 5, Chapter C1. 1969. 58 pages.
7-C1. *Finite-difference model for aquifer simulation in two dimensions with results of numerical experiments*, by P. C. Trescott, G. F. Pinder, and S. P. Larson: USGS--TWRI Book 7, Chapter C1. 1976. 116 pages.
7-C2. *Computer model of two-dimensional solute transport and dispersion in ground water*, by L. F. Konikow and J. D. Bredehoeft: USGS--TWRI Book 7, Chapter C2. 1978. 90 pages.
7-C3. *A model for simulation of flow in singular and interconnected channels*, by R. W. Schaffranek, R. A. Baltzer, and D. E. Goldberg: USGS--TWRI Book 7, Chapter C3. 1981. 110 pages.
8-A1. *Methods of measuring water levels in deep wells*, by M. S. Garber and F. C. Koopman: USGS--TWRI Book 8, Chapter A1. 1968. 23 pages.
8-B2. *Calibration and maintenance of vertical-axis type current meters*, by G. F. Smoot and C. E. Novak: USGS--TWRI Book 8, Chapter B2. 1968. 15 pages.

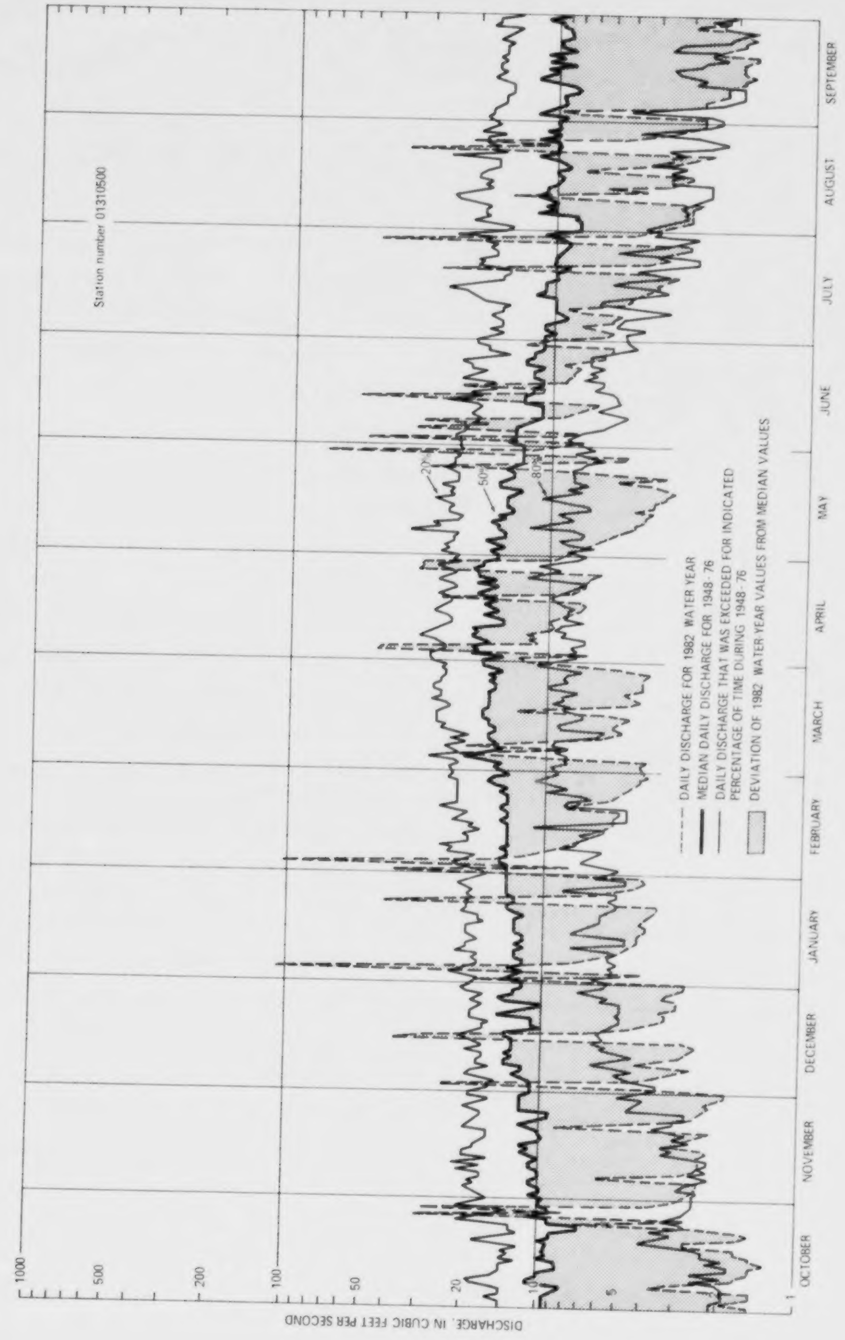


Figure 2.--Hydrographic Comparisons. East Meadow Brook at Freeport.

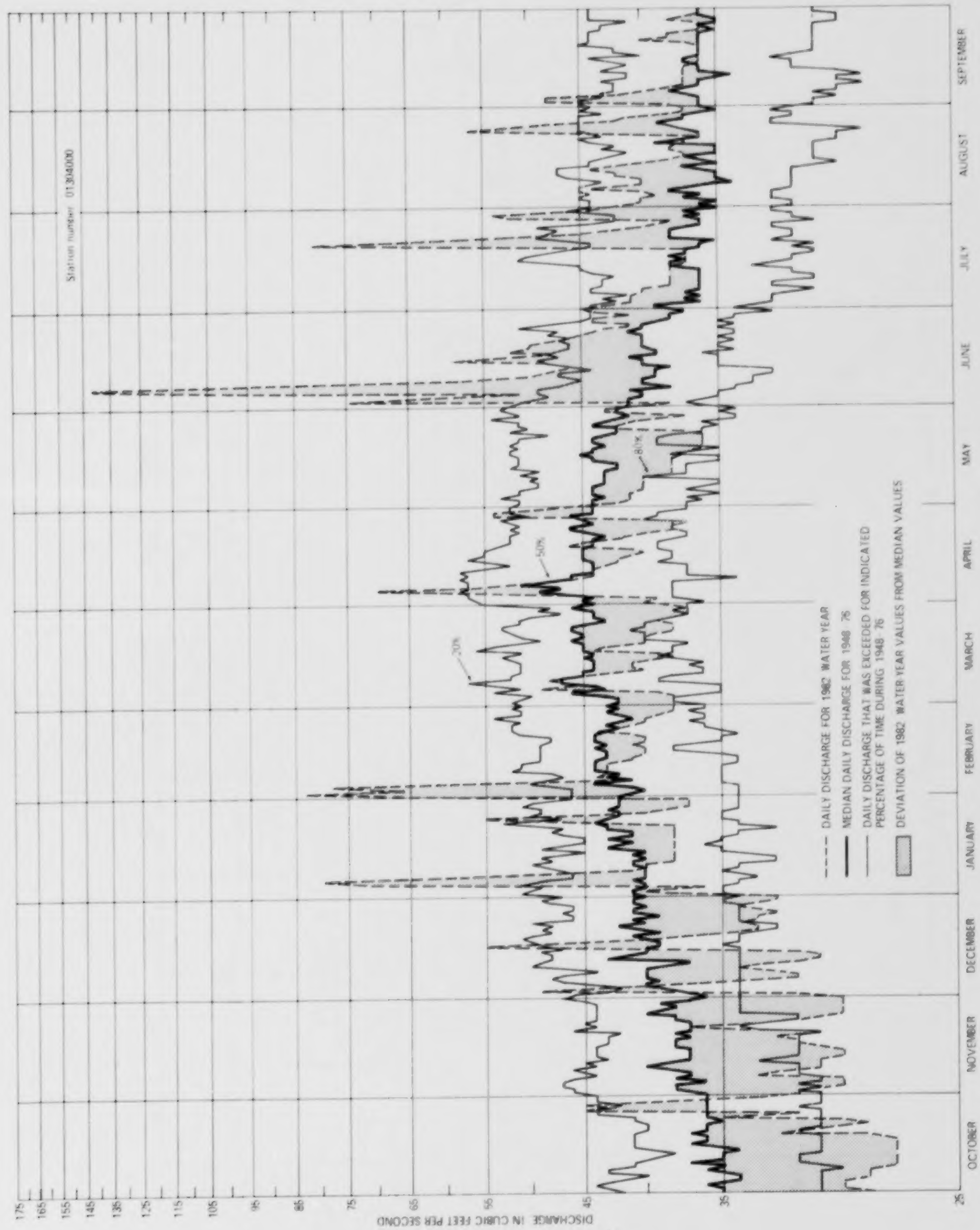


Figure 3.--Hydrographic Comparisons, Nissequogue River near Smithtown.

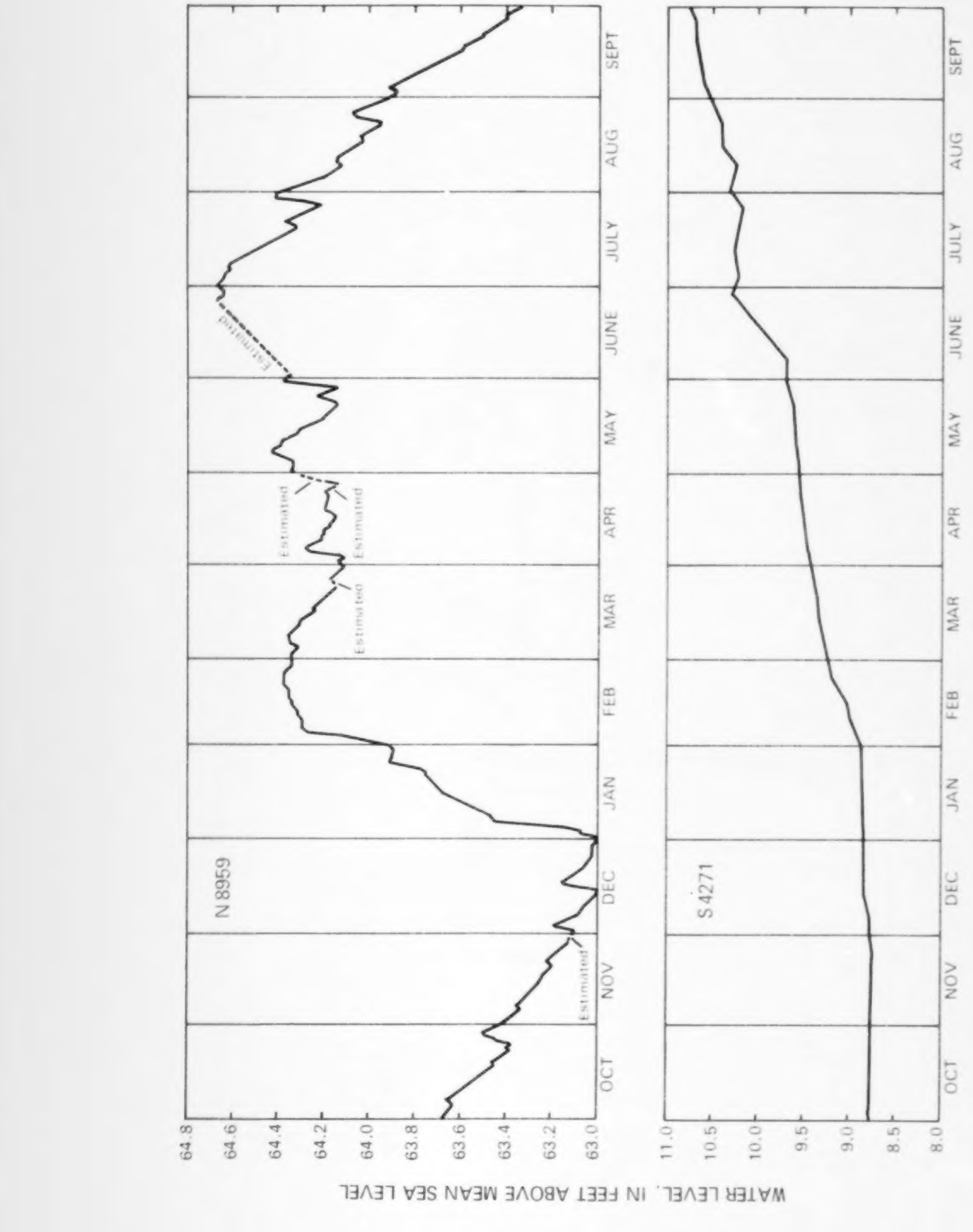


Figure 4.--Hydrographs of water-table well N8959 at East Meadow and water-table well S4271 at Riverhead.

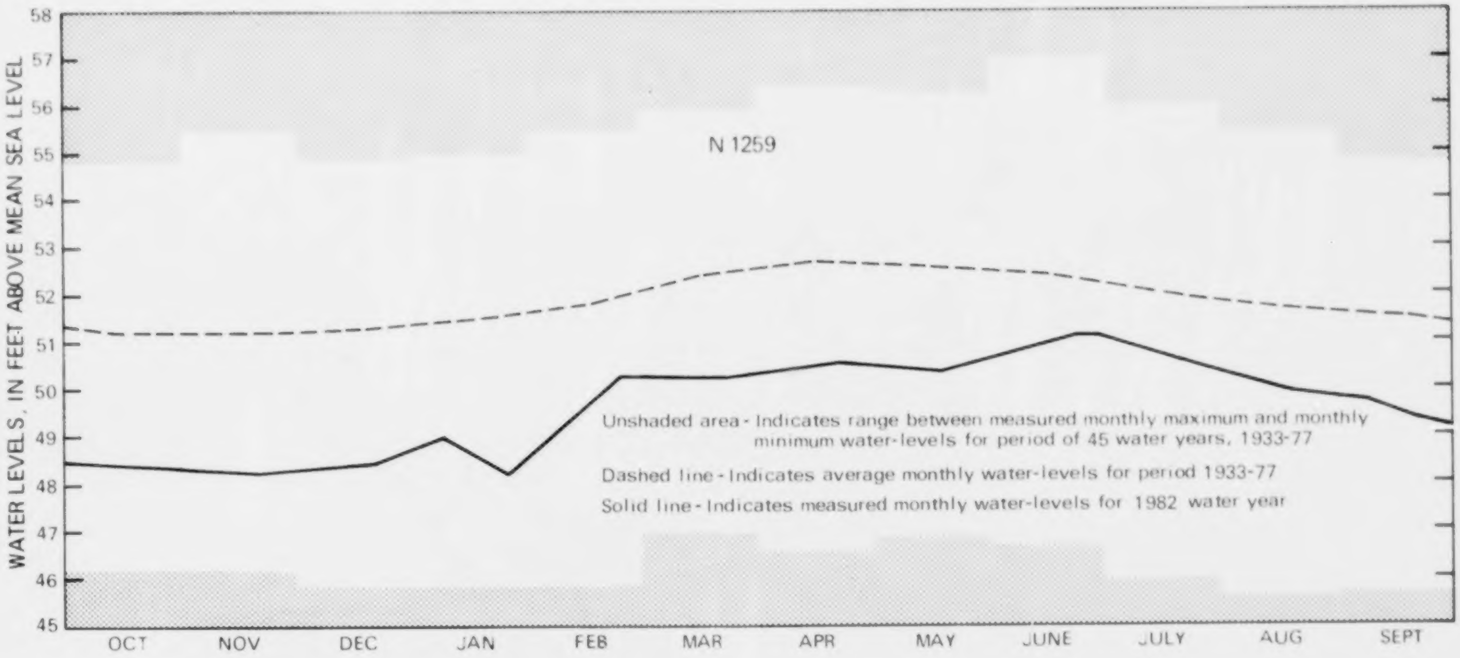
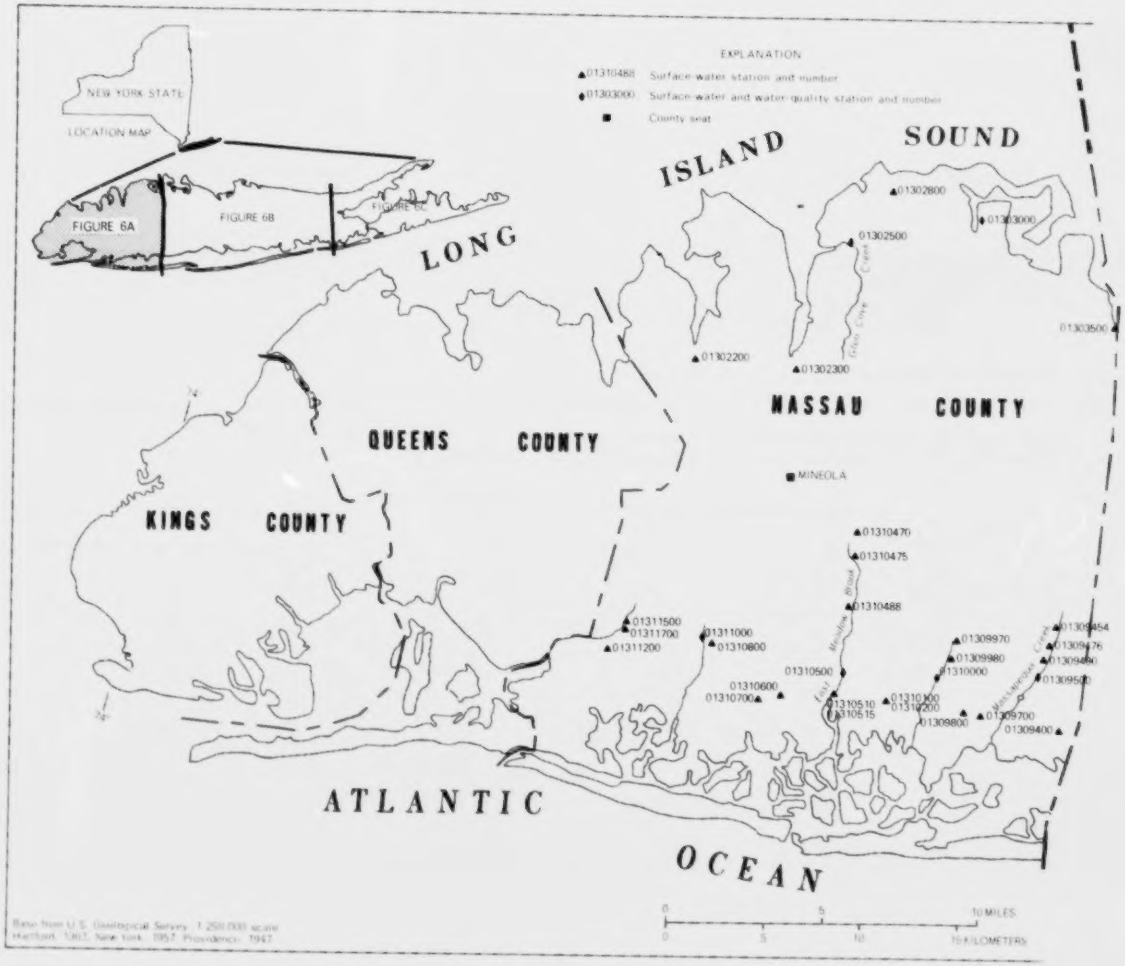


Figure 5.--Hydrograph of water-table observation well N1259 at Plainedge.


NEW YORK STATE
LOCATION MAP
FIGURE 6A
FIGURE 6B
FIGURE 6C
EXPLANATION
▲01310488 Surface-water station and number
◆01303000 Surface-water and water-quality station and number
■ County seat
LONG ISLAND SOUND
ATLANTIC OCEAN
KINGS COUNTY
QUEENS COUNTY
NASSAU COUNTY
MINEOLA
Glen Cove Creek
East Meadow Brook
Massapequa Creek
01302200
01302300
01302500
01302800
01303000
01303500
01310470
01310475
01310488
01311500
01311700
01311200
01311000
01310800
01310500
01310600
01310700
01310510
01310515
01310100
01310200
01309970
01309980
01310000
01309800
01309700
01309400
01309454
01309476
01309500
0
5
10 MILES
0
5
10
15 KILOMETERS

Base from U.S. Geological Survey 1:250,000 scale
Hartford 1962, New York 1957, Providence 1947

FIGURE 6A.-- LOCATION OF SURFACE-WATER DATA COLLECTION STATIONS

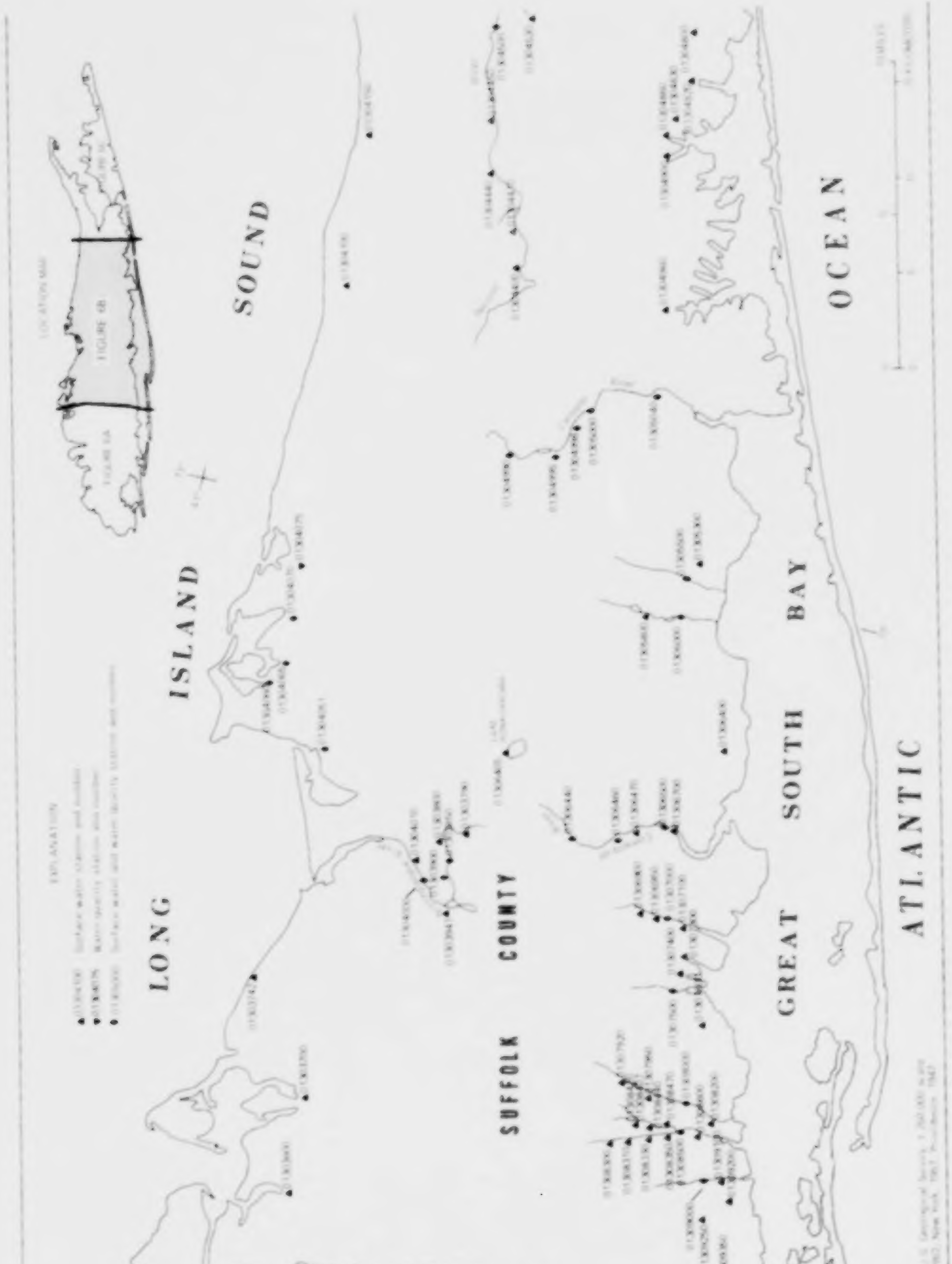

LONG
ISLAND
SOUND
SUFFOLK
COUNTY
GREAT
SOUTH
BAY
ATLANTIC
OCEAN
EXPLANATION
LOCATION MAP
FIGURE 6A
FIGURE 6B

FIGURE 6B.-- LOCATION OF SURFACE-WATER DATA COLLECTION STATIONS

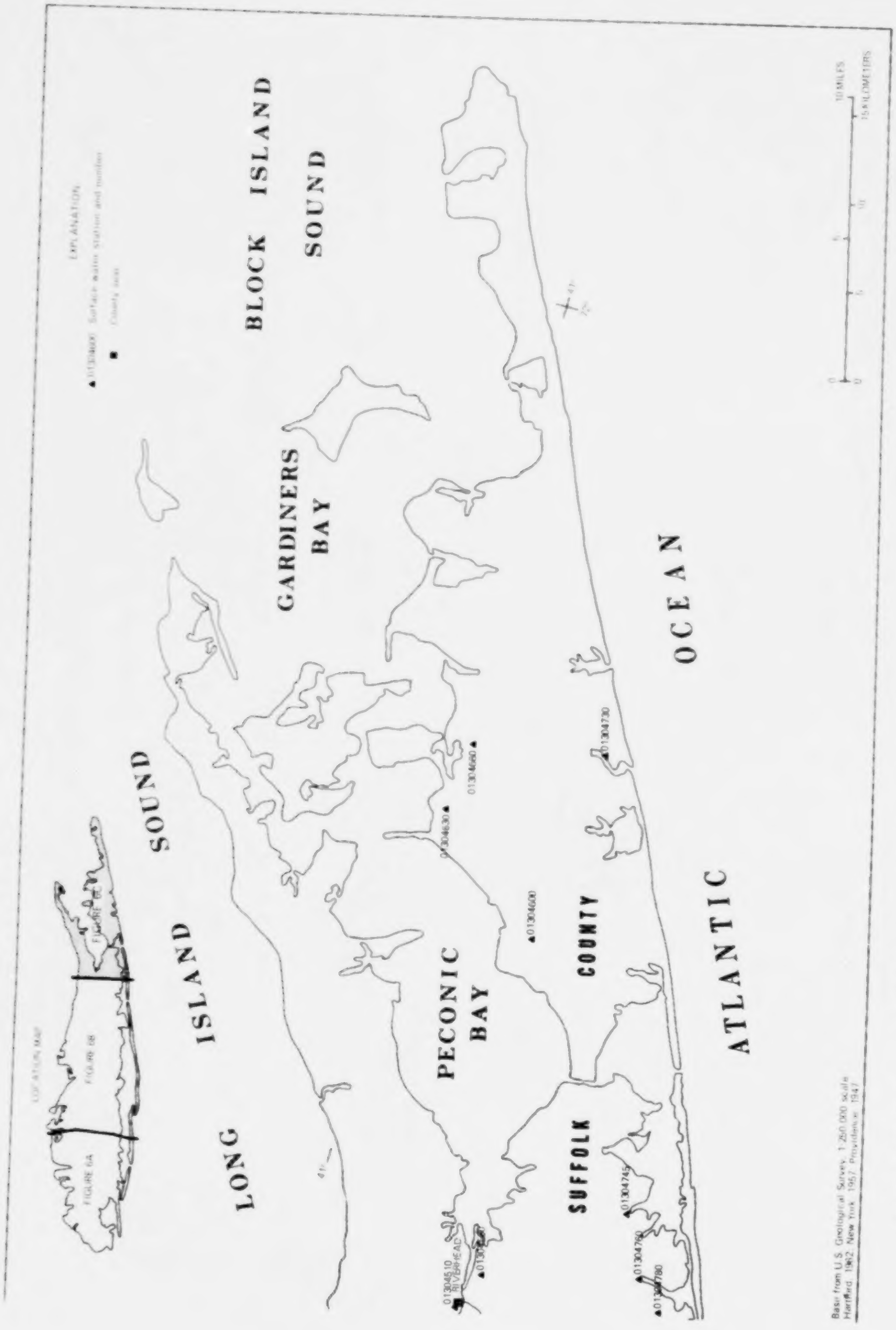

LOCATION MAP
FIGURE 6A
FIGURE 6B
FIGURE 6C
EXPLANATION
▲01304600 Surface-water station and number
■ County seat
LONG ISLAND SOUND
BLOCK ISLAND SOUND
GARDINERS BAY
PECONIC BAY
SUFFOLK COUNTY
ATLANTIC OCEAN
01304510
RIVERHEAD
01304600
01304630
01304660
01304730
01304745
01304760
41°
72°
0 5 10 MILES
0 5 10 15 KILOMETERS
Base from U.S. Geological Survey 1:250 000 scale
Hartford, 1962; New York, 1957; Providence, 1947

FIGURE 6C.-- LOCATION OF SURFACE-WATER DATA COLLECTION STATIONS

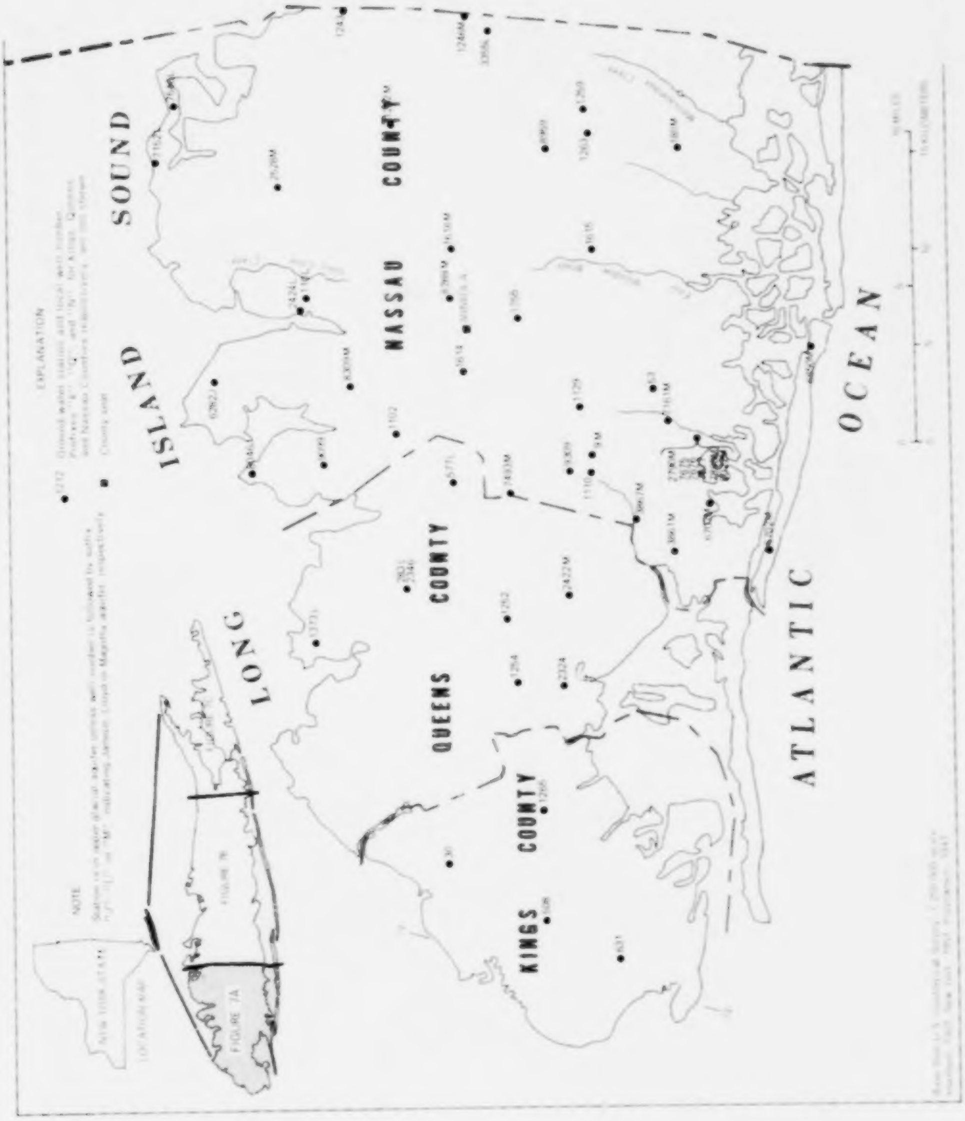
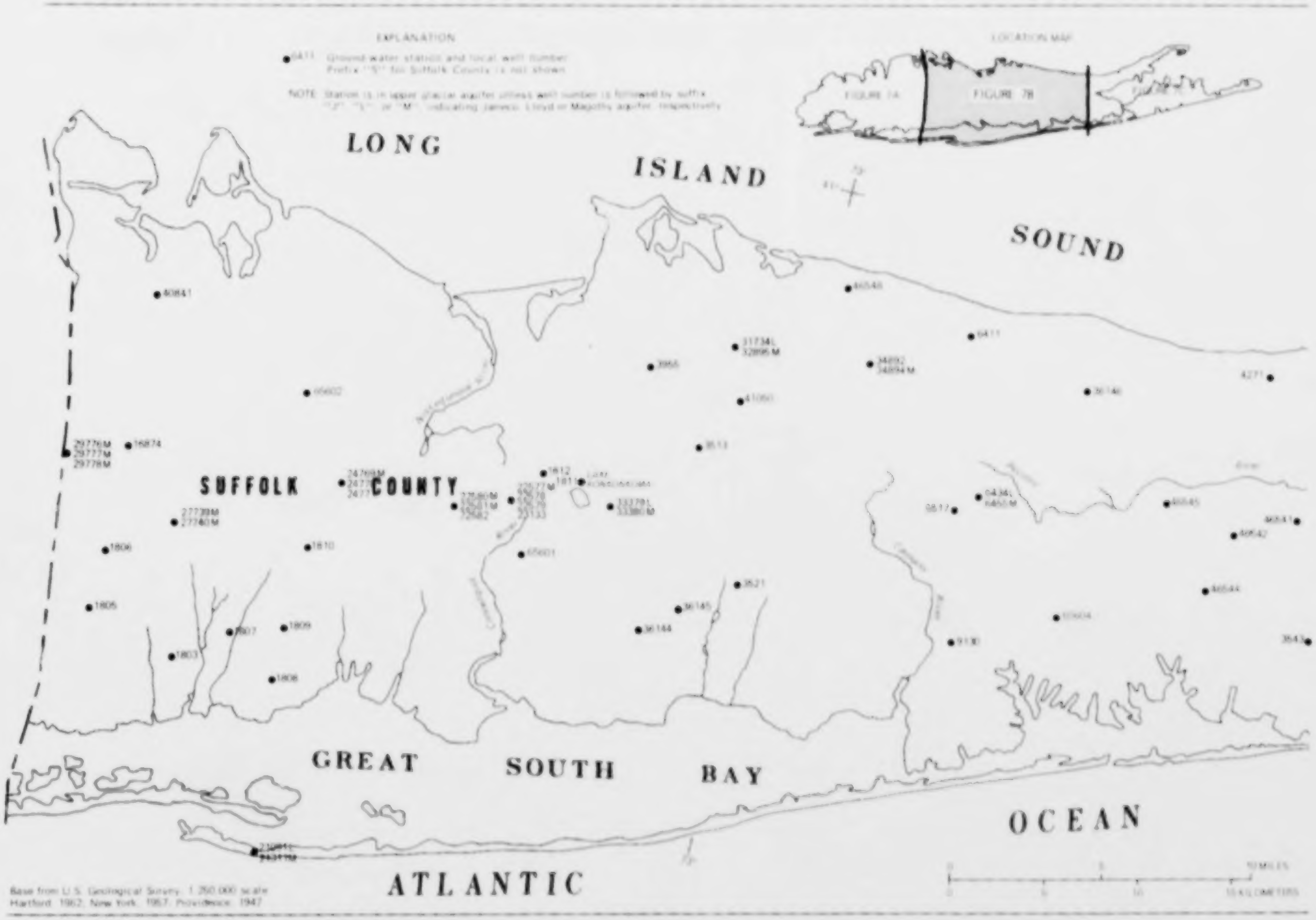

LONG
ISLAND
SOUND
NASSAU
COUNTY
QUEENS
COUNTY
KINGS
COUNTY
ATLANTIC
OCEAN
EXPLANATION
NOTE
FIGURE 7A
FIGURE 7B
NEW YORK STATE
LOCATION MAP

FIGURE 7A.-- LOCATION OF WATER-LEVEL DATA COLLECTION STATIONS


EXPLANATION
●6411 Ground-water station and local well number. Prefix "S" for Suffolk County is not shown
NOTE: Station is in upper glacial aquifer unless well number is followed by suffix "J", "L", or "M" indicating Jameco, Lloyd or Magothy aquifer, respectively
LOCATION MAP
FIGURE 7A
FIGURE 7B
LONG
ISLAND
SOUND
SUFFOLK
COUNTY
GREAT
SOUTH
BAY
ATLANTIC
OCEAN
40841
65602
29776M
29777M
29778M
16874
27739M
27740M
1806
1805
1810
1803
1807
1809
1808
1812
1811
3955
31734L
32895M
46548
34892
34894M
6411
41060
3513
36145
36144
3521
33279L
33380M
65601
9817
6434L
6455M
36146
4271
46545
46541
46542
46544
3543
9130
0
5
10 MILES
0
5
10
15 KILOMETERS

Base from U.S. Geological Survey 1:250,000 scale
Hartford 1962, New York 1957, Providence 1947

FIGURE 7B.-- LOCATION OF WATER-LEVEL DATA COLLECTION STATIONS

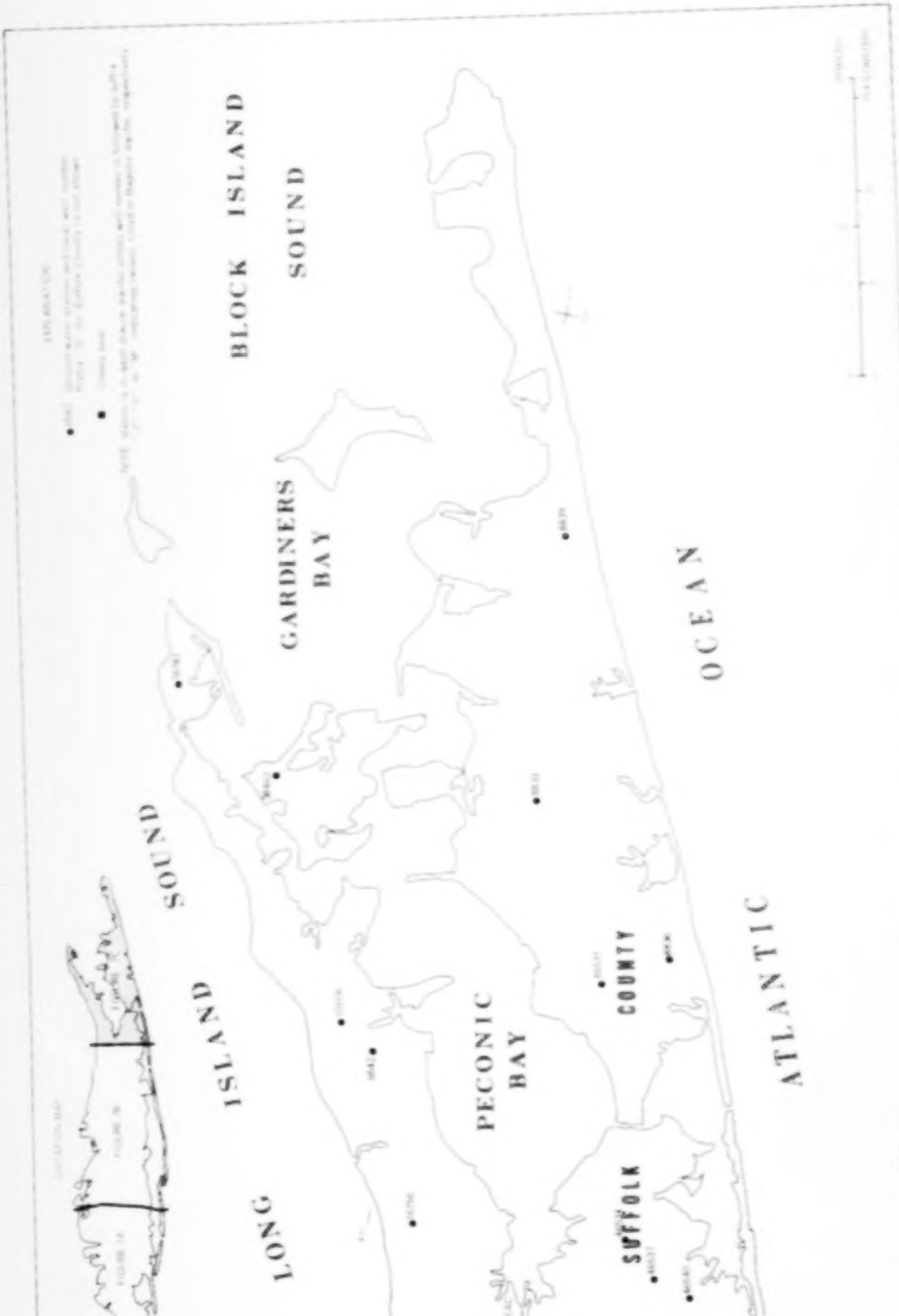

LONG ISLAND SOUND
BLOCK ISLAND SOUND
GARDINERS BAY
PECONIC BAY
SUFFOLK COUNTY
ATLANTIC OCEAN

FIGURE 7C.-- LOCATION OF WATER-LEVEL DATA COLLECTION STATIONS

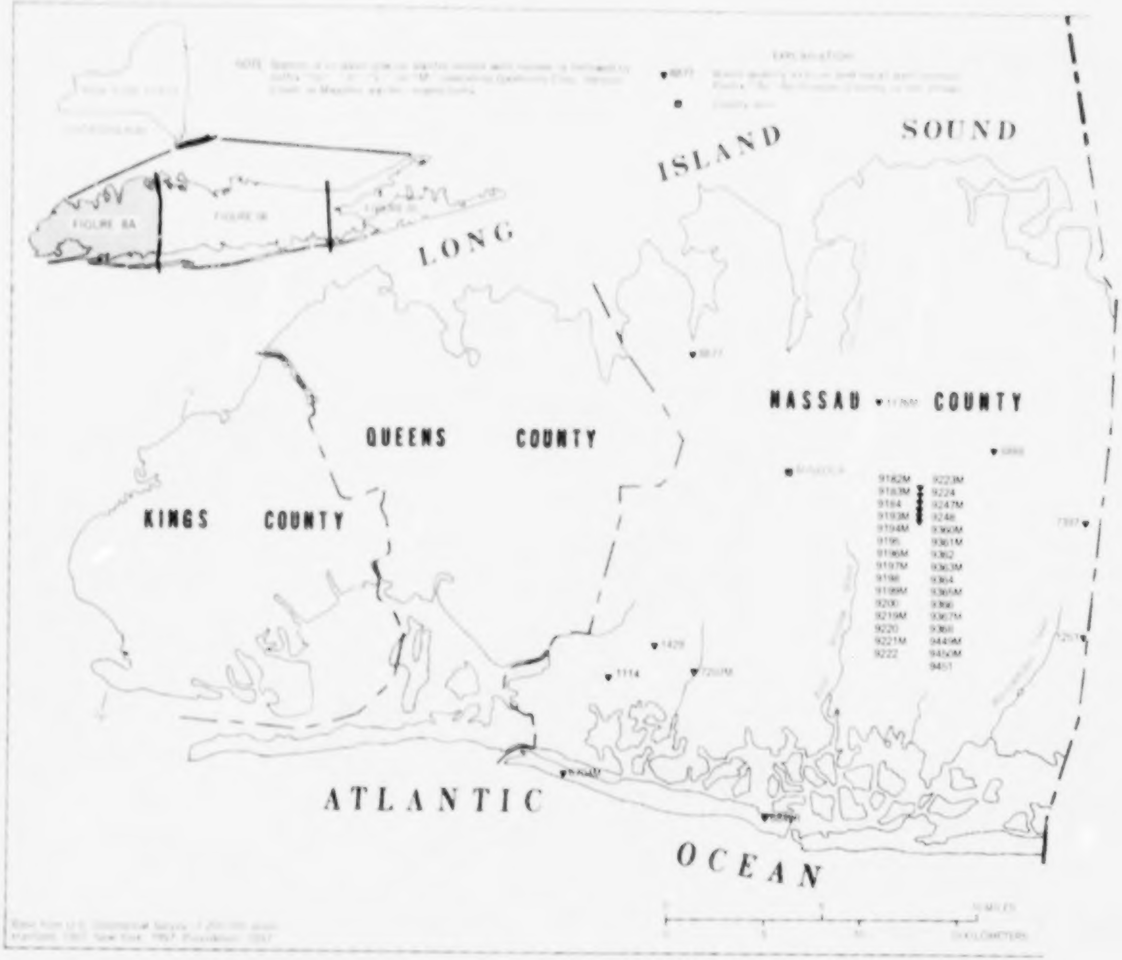

LONG ISLAND SOUND
NASSAU COUNTY
QUEENS COUNTY
KINGS COUNTY
ATLANTIC OCEAN
FIGURE 8A
9182M
9183M
9184
9193M
9194M
9195
9196M
9197M
9198
9199M
9200
9219M
9220
9221M
9222
9223M
9224
9247M
9248
9360M
9361M
9362
9363M
9364
9365M
9366
9367M
9368
9449M
9450M
9451
1114
1429
MILES
KILOMETERS

FIGURE 8A.-- LOCATION OF QUALITY OF GROUND-WATER DATA COLLECTION STATIONS

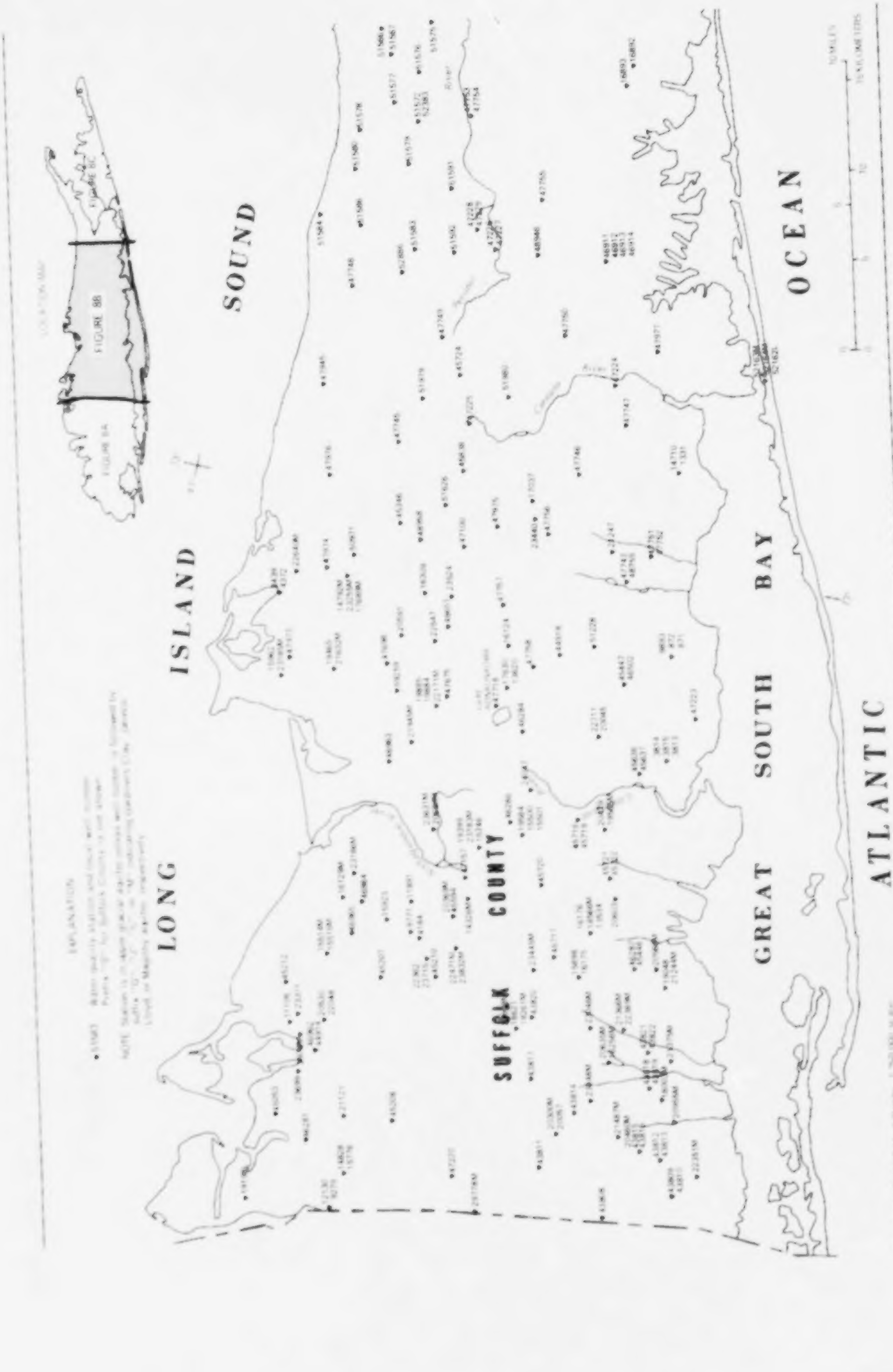

LONG ISLAND SOUND
SUFFOLK COUNTY
GREAT SOUTH BAY
ATLANTIC OCEAN
LOCATION MAP
FIGURE 8A
FIGURE 8B
FIGURE 8C
EXPLANATION

FIGURE 8B.-- LOCATION OF QUALITY OF GROUND-WATER DATA COLLECTION STATIONS

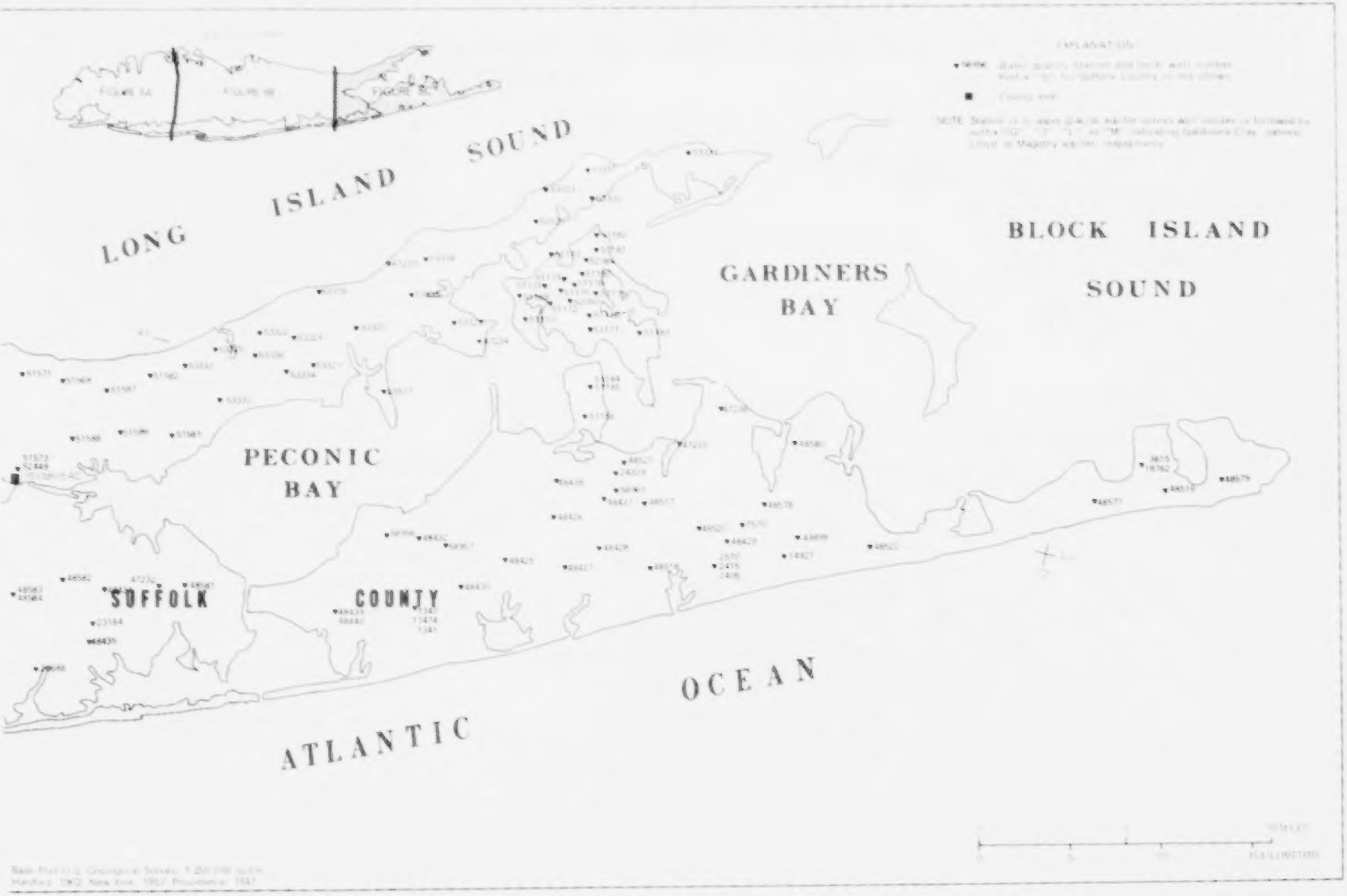

EXPLANATION
LONG ISLAND SOUND
BLOCK ISLAND SOUND
GARDINERS BAY
PECONIC BAY
SUFFOLK COUNTY
ATLANTIC OCEAN
FIGURE 8A
FIGURE 8B
FIGURE 8C
MILES
KILOMETERS

FIGURE 8C.-- LOCATION OF QUALITY OF GROUND-WATER DATA COLLECTION STATIONS

01302500 GLEN COVE CREEK AT GLEN COVE, NY

LOCATION.--Lat 40°51'48", long 73°38'05", Nassau County, Hydrologic Unit 02030201, on right bank just downstream from Glen Cove Road, at 8- by 10-foot concrete culvert in Pratt Park, one block west of post office, in Glen Cove. Water-quality sampling site at discharge station.

DRAINAGE AREA.--About 11 mi² (28 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1938 to current year. Prior to October 1967, published as Cedar Swamp Creek.

REVISED RECORDS (WATER YEARS).--WSP 971: 1939-42.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 15.68 ft (4.780 m) National Geodetic Vertical Datum of 1929. Prior to Oct. 31, 1977, at datum 0.15 ft (0.046 m) higher. Prior to June 17, 1965, at datum 0.19 ft (0.58 m) higher.

REMARKS.--Records good except those above 300 ft³/s (8.50 m³/s), which are fair.

AVERAGE DISCHARGE.--44 years, 7.18 ft³/s (0.203 m³/s).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,860 ft³/s (52.7 m³/s) Sept. 12, 1960, gage height, 7.12 ft (2.170 m), from rating curve extended above 220 ft³/s (6.23 m³/s), minimum, 2.1 ft³/s (0.059 m³/s) Oct. 15, 1967; minimum gage height, 0.52 ft (0.158 m) Oct. 22, 1959, Oct. 15, 1967.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 769 ft³/s (21.8 m³/s) May 29, gage height, 4.96 ft (1.512 m), from rating curve extended above 220 ft³/s (6.23 m³/s); minimum discharge, 3.5 ft³/s (0.099 m³/s) Sept. 28, 30; minimum gage height, 0.66 ft (0.201 m) Nov. 13.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.4	4.3	14	16	52	4.2	5.3	5.5	8.6	4.0	5.7	4.1
2	8.3	4.1	15	6.1	15	4.4	4.4	5.0	17	3.8	4.8	6.3
3	5.9	4.0	5.7	5.5	75	4.3	29	4.8	8.1	4.4	4.6	6.5
4	5.7	4.4	5.1	82	18	9.5	11	4.6	7.6	4.0	4.6	4.0
5	5.7	4.0	4.8	15	11	7.6	6.2	4.6	22	3.7	4.4	3.8
6	7.4	13	4.4	11	7.3	7.4	6.5	4.4	14	3.8	4.4	3.8
7	5.9	4.4	4.3	8.4	5.2	14	7.4	4.4	15	4.0	4.1	4.0
8	5.7	4.3	5.7	5.8	5.0	6.9	7.5	4.6	8.8	4.1	4.1	3.8
9	5.7	4.1	4.6	5.2	5.9	5.4	6.2	4.3	7.8	4.3	8.1	4.0
10	5.5	4.0	4.3	4.6	4.9	4.8	6.5	4.4	6.3	4.1	7.4	4.0
11	5.5	3.8	4.1	4.5	4.6	4.8	6.0	4.3	4.8	4.1	5.3	4.0
12	5.5	3.8	4.1	4.4	4.7	6.8	5.5	4.4	4.8	5.3	5.9	3.8
13	5.7	3.8	4.0	4.4	4.7	5.0	5.2	5.1	19	4.4	4.0	4.1
14	4.6	3.8	6.9	4.5	4.6	4.7	5.1	4.4	15	4.8	3.7	4.3
15	4.1	5.3	34	4.4	4.6	4.6	4.8	4.3	6.5	4.8	3.8	4.6
16	4.1	4.3	20	4.4	4.9	5.3	4.9	4.3	6.9	4.4	4.1	4.0
17	4.1	4.6	8.1	4.3	4.5	8.7	5.2	4.3	16	4.3	9.4	4.1
18	11	4.6	7.4	4.4	4.3	5.1	11	4.4	6.1	4.4	4.3	4.0
19	4.8	4.0	7.2	4.4	6.8	4.7	5.2	4.4	5.7	4.4	4.3	3.8
20	4.1	10	6.1	4.4	5.2	4.6	4.9	4.6	5.1	12	4.3	5.9
21	4.0	4.6	5.7	4.3	4.6	5.0	4.9	4.8	5.0	4.3	4.4	4.1
22	4.1	4.3	5.7	4.3	4.4	4.6	4.7	4.6	4.8	4.1	4.0	4.0
23	12	4.1	6.7	15	4.3	4.4	4.6	8.3	5.3	4.3	4.6	3.8
24	6.7	4.1	5.5	7.2	4.3	4.6	4.6	5.9	4.4	4.3	4.0	3.7
25	5.5	4.0	5.3	5.5	4.3	4.4	4.6	8.6	4.4	4.1	22	3.7
26	18	4.0	5.1	5.1	4.1	4.5	28	4.8	4.3	4.1	4.4	3.7
27	17	4.1	7.4	4.8	4.2	4.3	14	4.4	4.3	4.4	4.3	8.3
28	10	4.0	5.7	4.6	4.2	4.3	16	4.4	4.1	27	4.0	3.7
29	6.7	3.8	5.3	4.4	---	4.3	11	48	8.1	6.5	3.8	4.1
30	5.7	5.5	5.0	4.9	---	4.3	7.2	14	4.8	5.5	4.0	4.1
31	4.8	---	5.0	18	---	8.5	---	12	---	5.5	4.1	---
TOTAL	211.2	141.1	232.2	281.8	282.6	176.0	247.4	210.9	254.6	167.2	164.9	130.1
MEAN	6.81	4.70	7.49	9.09	10.1	5.68	8.25	6.80	8.49	5.39	5.32	4.34
MAX	18	13	34	82	75	14	29	48	22	27	22	8.3
MIN	4.0	3.8	4.0	4.3	4.1	4.2	4.4	4.3	4.1	3.7	3.7	3.7

CAL YR 1981 TOTAL 2267.3 MEAN 6.21 MAX 44 MIN 3.4
WTR YR 1982 TOTAL 2500.0 MEAN 6.85 MAX 82 MIN 3.7

01302500 GLEN COVE CREEK AT GLEN COVE, NY--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--May 1966 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	BAROMETRIC PRESSURE (MM OF HG)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)	HARDNESS (MG/L AS CACO3)	CALCIUM DISSOLVED (MG/L AS CA)
DEC 22...	1130	6.1	260	6.3	6.0	--	11.4	--	67	17
MAR 15...	1145	4.6	270	6.5	9.5	768	10.9	94	77	19
AUG 27...	0910	5.3	275	6.7	17.0	768	7.0	74	74	19

DATE	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)
DEC 22...	6.0	21	1.7	31	26	29	<.1	12	133	4.1
MAR 15...	7.1	23	1.8	37	26	23	<.1	15	144	--
AUG 27...	6.5	19	1.9	39	30	27	.1	15	142	4.1

DATE	NITROGEN, NITRATE DISSOLVED (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
DEC 22...	3.90	.010	.160	.45	4.7	.030	<.010	2200	90	.10
MAR 15...	--	<.010	.130	.11	4.4	.030	<.010	560	70	.00
AUG 27...	4.20	.010	.290	.61	5.0	.030	.020	700	70	--

01303000 MILL NECK CREEK AT MILL NECK, NY

LOCATION.--Lat 40°53'15", long 73°33'51", Nassau County, Hydrologic Unit 02030201, on right bank at Beaver Lake, 30 ft (9 m) upstream from Feeks Lane (Cleft Road) bridge in Mill Neck, and 1.5 mi (2.4 km) southwest of Bayville. Water-quality sampling site at discharge station.

DRAINAGE AREA.--About 11.5 mi² (29.8 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--January 1937 to current year.

REVISED RECORDS.--WSP 1141: Drainage area.

GAGE.--Water-stage recorder and steel sheet-piling control. Datum of gage is 6.49 ft (1.978 m) National Geodetic Vertical Datum of 1929. Prior to June 23, 1965, at datum 0.06 ft (0.018 m) higher.

REMARKS.--Records good. Slight regulation by ponds above station.

AVERAGE DISCHARGE.--45 years, 9.12 ft³/s (0.258 m³/s).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 137 ft³/s (3.88 m³/s) Sept. 12, 1960, gage height, 1.60 ft (0.488 m), from rating curve extended above 70 ft³/s (1.98 m³/s); maximum gage height, 4.85 ft (1.478 m) Sept. 21, 1938 (hurricane wave); minimum discharge, 0.09 ft³/s (0.003 m³/s) Dec. 11, 1941 (result of freezeup); minimum gage height, 0.14 ft (0.043 m) Sept. 8, 1939 (result of wind action).

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 32 ft³/s (0.91 m³/s) and maximum (*):

Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)
Jan. 4	1400	*45	1.27	*0.89	0.271
May 29	0930	37	1.05	0.79	0.241

Minimum discharge, 4.8 ft³/s (0.14 m³/s) Oct. 1, 8-10, 17; minimum gage height, 0.21 ft (0.064 m) Oct. 1, 8-10, 17, Aug. 21, 22.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.2	5.9	6.6	8.6	21	5.9	7.6	7.0	8.0	6.7	6.0	6.0
2	7.1	5.6	5.6	9.1	12	6.0	6.4	6.7	11	6.0	6.0	7.0
3	5.9	5.4	9.4	7.0	25	5.9	8.3	6.3	8.4	6.3	5.6	8.0
4	5.3	5.3	7.3	26	17	6.2	17	6.3	7.0	6.7	5.6	6.3
5	5.3	5.4	6.5	19	10	9.4	9.6	6.3	11	6.3	5.6	6.0
6	5.5	8.5	5.9	10	8.1	7.9	9.1	6.3	14	6.0	5.4	5.6
7	5.7	7.2	5.9	8.0	7.0	9.2	11	6.3	14	5.6	5.4	5.6
8	5.1	6.0	6.1	6.8	6.6	9.5	8.4	6.0	9.6	5.6	5.4	5.6
9	5.0	5.5	6.3	6.4	6.8	7.5	7.5	6.3	7.7	6.0	6.0	5.6
10	5.0	5.4	6.0	6.0	6.9	6.7	7.1	6.0	7.0	5.6	7.4	5.6
11	5.0	5.5	7.9	5.5	6.4	6.4	7.1	6.0	6.3	5.6	6.7	5.4
12	5.0	5.3	6.8	5.3	6.2	6.7	6.5	6.0	6.0	6.0	7.0	5.4
13	5.0	5.3	5.9	5.8	6.3	6.9	6.4	6.3	8.4	6.3	6.3	5.4
14	5.0	5.5	6.0	6.9	6.1	6.3	6.1	6.3	16	5.6	6.0	5.6
15	5.2	6.5	16	6.9	6.3	5.9	6.0	6.0	11	5.6	5.6	5.6
16	5.2	7.9	18	6.3	6.6	6.0	6.0	6.0	8.0	5.6	5.6	5.6
17	5.0	7.1	11	5.9	6.4	8.0	6.1	6.0	12	5.6	5.6	5.4
18	6.0	7.0	7.9	5.5	6.2	7.5	8.7	5.6	8.8	5.6	6.0	5.4
19	8.7	6.1	6.6	5.4	6.9	6.7	7.3	6.0	7.7	5.6	5.6	5.4
20	6.5	7.6	5.9	5.9	7.7	6.3	6.4	6.0	7.0	7.7	5.6	6.0
21	5.7	7.7	5.6	5.9	7.1	6.5	5.9	6.0	6.7	8.4	5.4	7.0
22	5.5	6.2	5.8	5.7	6.7	6.3	5.7	5.6	6.3	6.7	5.4	6.3
23	6.2	5.7	6.5	8.6	6.3	5.9	5.7	7.0	6.7	6.0	6.0	6.3
24	9.5	5.6	6.4	11	6.1	6.0	5.7	8.4	6.3	5.6	6.3	5.6
25	7.1	5.6	6.0	7.6	5.9	5.9	5.7	8.4	6.0	5.6	10	5.6
26	11	5.6	5.9	6.5	7.4	6.2	7.0	7.4	6.0	5.4	8.8	5.6
27	10	5.6	6.2	5.8	6.6	5.8	17	6.7	6.0	5.4	7.0	7.4
28	12	5.6	6.7	5.8	6.2	5.5	13	6.3	6.0	10	6.3	6.7
29	8.1	5.4	6.1	5.8	---	5.7	9.6	23	7.0	10	5.6	6.0
30	6.5	5.4	5.7	5.8	---	5.7	7.7	15	8.0	7.4	5.6	6.0
31	6.0	---	5.7	7.1	---	6.4	---	10	---	6.7	5.6	---
TOTAL	199.3	182.4	224.2	241.9	237.8	206.8	241.6	227.5	253.9	197.2	190.4	179.0
MEAN	6.43	6.08	7.23	7.80	8.49	6.67	8.05	7.34	8.46	6.36	6.14	5.97
MAX	12	8.5	18	26	25	9.5	17	23	16	10	10	8.0
MIN	5.0	5.3	5.6	5.3	5.9	5.5	5.7	5.6	6.0	5.4	5.4	5.4

CAL YR 1981 TOTAL 2533.1 MEAN 6.94 MAX 22 MIN 4.6
WTR YR 1982 TOTAL 2582.0 MEAN 7.07 MAX 26 MIN 5.0

01303000 MILL NECK CREEK AT MILL NECK, NY--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--May 1966 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	BARO-METRIC PRES-SURE (MM OF HG)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)	HARD-NESS (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)
DEC 22...	1015	6.0	165	6.6	2.0	--	13.6	--	41	10
MAR 15...	1030	5.9	160	7.3	7.0	768	11.8	96	42	10
AUG 27...	0810	7.0	150	8.5	23.5	763	5.6	68	49	12

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)
DEC 22...	4.0	14	1.2	13	18	20	<.1	9.0	87	1.5
MAR 15...	4.1	15	1.2	23	17	19	<.1	8.1	86	1.3
AUG 27...	4.7	14	1.5	31	16	16	<.1	9.0	92	--

DATE	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
DEC 22...	1.80	.010	.090	.73	2.3	.020	<.010	310	20	.10
MAR 15...	1.30	.010	.050	.25	1.6	.040	<.010	530	40	.00
AUG 27...	--	--	--	--	--	--	--	450	50	--

01303500 COLD SPRING BROOK AT COLD SPRING HARBOR, NY

LOCATION.--Lat 40°51'26", long 73°27'50", Nassau County, Hydrologic Unit 02030201, on left bank 270 ft (82 m) upstream from State Highway 25A, at Cold Spring Harbor State Fish Hatchery, and 1.0 mi (1.6 km) southwest of village of Cold Spring Harbor.

DRAINAGE AREA.--About 7.3 mi^2 (19 km^2).

PERIOD OF RECORD.--July 1950 to current year.

REVISED RECORDS.--WDR NY-81-2: 1954 (M), 1958 (M), 1962-63 (M), 1971 (M), 1978-79, 1980 (M).

GAGE.--Water-stage recorder and concrete control. Datum of gage is 5.38 ft (1.640 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good except those above 100 ft^3/s (2.83 m^3/s), which are fair. Flow occasionally regulated at outlet of pond 40 ft (12 m) above station. Diversion from this pond by New York State Fish Hatchery bypasses station, except during the 1979 water year.

AVERAGE DISCHARGE.--31 years (1951-78, 80-82), 2.60 ft^3/s (0.074 m^3/s) (unadjusted).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 181 ft^3/s (5.13 m^3/s) Jan. 21, 1979, gage height, 1.99 ft (0.607 m) (result of regulation), from rating curve extended above 80 ft^3/s (2.27 m^3/s); maximum gage height, 5.34 ft (1.628 m) Aug. 31, 1954 (backwater from high tide), from high-water mark; minimum discharge, 0.20 ft^3/s (0.006 m^3/s) Jan. 24-27, 1967, gage height, 0.07 ft (0.021 m).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 74 ft^3/s (2.10 m^3/s) Nov. 16 (result of regulation), gage height, 1.29 ft (0.393 m); maximum gage height, 1.44 ft (0.439 m) Nov. 15 (backwater from high tide); minimum discharge 0.75 ft^3/s (0.021 m^3/s) Dec. 7, 9 (result of regulation), gage height, 0.15 ft (0.046 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.0	1.9	2.4	2.0	10	2.6	2.3	2.2	2.2	1.8	1.6	1.4
2	2.0	1.8	3.7	2.1	4.9	2.6	2.2	2.0	2.6	1.8	1.7	1.3
3	2.0	1.8	3.7	2.2	12	2.5	2.4	1.9	2.8	1.9	1.6	1.3
4	1.8	1.8	3.0	7.9	6.4	2.5	4.3	1.8	2.6	1.9	1.6	1.4
5	1.8	1.8	2.6	6.0	3.8	3.2	3.5	1.8	2.8	2.0	1.6	1.4
6	1.8	1.9	2.2	3.5	3.1	3.2	3.2	1.8	5.1	2.0	1.6	1.4
7	1.6	2.0	1.6	2.8	2.8	3.3	2.8	1.8	5.7	2.0	1.6	1.3
8	1.4	2.0	.86	2.6	2.7	3.5	2.2	1.8	3.7	2.0	1.6	1.3
9	1.6	2.2	.86	2.6	2.7	3.0	2.2	1.8	2.6	2.0	1.4	1.3
10	1.6	2.0	.98	2.6	2.9	2.6	2.2	1.8	2.2	2.0	1.4	1.3
11	1.6	2.0	1.0	2.6	2.6	2.6	2.0	1.8	1.9	2.0	1.4	1.3
12	1.6	2.4	1.1	2.4	2.6	2.6	2.0	1.8	1.8	2.2	1.4	1.3
13	1.4	3.2	1.7	2.5	2.6	2.6	2.0	1.8	1.9	2.2	1.3	1.3
14	1.4	2.8	1.3	2.8	2.6	2.6	1.8	1.8	2.9	2.2	1.3	1.3
15	1.4	2.6	1.6	2.9	2.6	2.4	1.8	1.8	2.9	2.2	1.3	1.3
16	1.4	16	2.2	2.7	2.6	2.4	1.8	1.8	2.4	2.2	1.3	1.3
17	1.6	12	2.3	2.6	2.6	2.6	1.8	1.7	2.5	2.2	1.3	1.3
18	1.8	6.8	2.3	2.6	2.6	2.6	2.1	1.6	2.4	2.0	1.4	1.1
19	1.7	3.7	2.2	2.8	2.7	2.2	1.7	1.7	2.2	2.2	1.4	1.1
20	1.7	3.4	2.0	2.6	2.9	2.2	1.6	1.6	2.0	2.2	1.3	.98
21	1.6	3.5	2.1	2.5	3.1	2.2	1.7	1.6	1.8	2.0	1.3	1.1
22	1.6	3.0	2.3	2.4	3.5	2.0	1.8	1.6	1.8	2.0	1.3	1.1
23	1.5	2.8	2.2	3.2	4.1	2.0	1.8	1.8	1.8	2.2	1.3	1.1
24	1.7	2.6	2.2	3.6	4.3	2.0	1.8	2.0	1.8	2.2	1.4	1.1
25	1.8	2.4	2.2	3.0	3.3	2.0	1.8	2.0	1.7	1.8	1.4	1.1
26	2.7	2.4	2.0	2.6	2.8	2.0	2.0	2.0	1.6	1.3	1.4	1.1
27	3.0	2.6	2.0	2.4	2.8	2.0	3.2	2.0	1.7	1.3	1.6	1.1
28	2.9	2.6	2.2	2.5	2.6	1.8	3.5	2.0	1.7	1.3	1.4	1.1
29	2.7	2.4	2.1	2.5	---	1.9	3.0	2.6	1.6	1.6	1.4	1.3
30	2.3	2.4	2.2	2.4	---	2.0	2.6	3.0	1.8	1.6	1.4	1.3
31	2.1	---	2.2	2.6	---	2.1	---	2.6	---	1.6	1.4	---
TOTAL	57.1	100.8	63.30	90.5	104.1	75.8	69.1	59.3	72.5	59.9	44.4	37.08
MEAN	1.84	3.36	2.04	2.92	3.72	2.45	2.30	1.91	2.42	1.93	1.43	1.24
MAX	3.0	16	3.7	7.9	12	3.5	4.3	3.0	5.7	2.2	1.7	1.4
MIN	1.4	1.8	.86	2.0	2.6	1.8	1.6	1.6	1.6	1.3	1.3	.98

CAL YR 1981 TOTAL 1064.60 MEAN 2.92 MAX 16 MIN .86
WTR YR 1982 TOTAL 833.88 MEAN 2.28 MAX 16 MIN .86

01304000 NISSEQUOGUE RIVER NEAR SMITHTOWN, NY

(National stream-quality accounting network station)

LOCATION.--Lat 40°50'58", long 73°13'29", Suffolk County, Hydrologic Unit 02030201, on left bank 0.5 mi (0.8 km) downstream from New Mill Pond, 1.0 mi (1.6 km) southwest of Smithtown, and 1.5 mi (2.4 km) southwest of village of Smithtown Branch. Water-quality sampling site at discharge station.

DRAINAGE AREA.--About 27 mi² (70 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1943 to current year.

REVISED RECORDS.--WSP 1141: Drainage area.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 9.59 ft (2.923 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good. Occasional regulation caused by cleaning of fish screens and trash racks at outlets of New Mill Pond on main stream and ponds on tributaries above station.

AVERAGE DISCHARGE.--39 years, 41.6 ft³/s (1.178 m³/s).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 952 ft³/s (27.0 m³/s) Jan. 22, 1979, gage height, 3.22 ft (0.981 m) (result of dam failure), from rating curve extended above 600 ft³/s (17.0 m³/s); minimum, 16 ft³/s (0.45 m³/s) June 5, 6, 1967; minimum gage height, 0.46 ft (0.140 m) Feb. 9, 1951; minimum daily, 19 ft³/s (0.54 m³/s) June 6, 1967.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 165 ft³/s (4.67 m³/s) June 5, gage height, 1.33 ft (0.405 m); minimum, 24 ft³/s (0.68 m³/s) Oct. 14, gage height, 0.55 ft (0.168 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28	31	31	38	83	38	40	42	38	43	41	38
2	29	30	49	40	66	38	39	41	74	41	40	48
3	29	29	43	36	78	38	47	41	62	41	40	48
4	29	29	37	72	55	39	70	41	51	41	39	42
5	28	29	34	79	42	49	57	40	101	40	40	40
6	28	33	31	57	44	45	53	40	140	40	44	38
7	28	32	31	46	43	47	49	40	95	38	41	37
8	28	30	32	41	43	48	46	40	61	38	40	37
9	27	30	34	40	43	44	44	40	50	38	40	37
10	27	30	33	40	43	42	44	38	48	38	42	37
11	27	30	31	38	41	40	44	38	47	38	42	37
12	27	29	30	38	41	41	43	38	46	38	44	37
13	27	29	30	38	40	41	42	38	48	38	42	37
14	27	29	31	40	40	39	42	38	59	37	40	36
15	27	30	48	40	40	38	41	38	52	37	38	36
16	27	31	55	38	41	39	40	37	48	37	37	36
17	27	31	45	38	40	44	41	37	52	37	37	36
18	28	32	39	38	40	43	46	36	50	37	38	36
19	32	30	36	38	41	40	45	36	50	52	38	36
20	30	34	34	38	44	40	42	36	48	81	37	37
21	29	37	33	38	42	40	41	36	46	68	37	40
22	28	33	33	38	41	39	40	36	45	53	36	38
23	29	31	34	46	40	38	38	37	44	46	44	38
24	35	30	33	55	40	38	38	42	43	42	57	36
25	31	29	33	46	39	38	38	42	41	40	52	36
26	45	29	32	40	38	39	40	41	44	39	48	36
27	43	29	33	38	38	38	54	39	44	38	42	38
28	45	29	34	37	38	37	54	37	41	52	41	37
29	38	29	33	37	---	37	49	43	44	54	38	36
30	33	29	32	37	---	37	45	43	45	45	37	36
31	31	---	32	63	---	39	---	40	---	43	37	---
TOTAL	947	913	1096	1348	1264	1253	1352	1211	1657	1350	1269	1137
MEAN	30.5	30.4	35.4	43.5	45.1	40.4	45.1	39.1	55.2	43.5	40.9	37.9
MAX	45	37	55	79	83	49	70	43	140	81	57	48
MIN	27	29	30	36	38	37	38	36	38	37	36	36

CAL YR 1981 TOTAL 12447 MEAN 34.1 MAX 57 MIN 24
WTR YR 1982 TOTAL 14797 MEAN 40.5 MAX 140 MIN 27

01304000 NISSEQUOGUE RIVER NEAR SMITHTOWN, NY--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 1967 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: December 1978 to September 1981.
WATER TEMPERATURES: January 1978 to September 1981.

COOPERATION.--Some water-quality analyses for this station were collected and analyzed by Suffolk County Department of Health Services. They are identified in the table by an asterisk (*).

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (NTU)	BAROMETRIC PRESSURE (MM OF HG)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CACO3)
OCT												
27...	1015	41	118	6.3	11.5	.90	764	9.9	90	42	22	26
DEC												
* 07...	1400	31	112	6.8	3.0	--	--	11.2	--	--	--	27
15...	0930	48	130	5.9	4.0	1.0	758	12.0	91	55	37	25
FEB												
24...	0900	40	125	6.2	5.0	1.0	764	11.8	92	K3	K2000	25
MAR												
* 01...	1400	38	120	7.0	5.0	--	--	11.3	--	--	--	32
APR												
28...	0900	55	140	6.5	13.0	1.5	760	9.4	89	54	26	31
JUN												
* 01...	1300	38	110	6.9	17.0	--	--	7.2	--	--	--	26
15...	0900	43	125	6.7	17.0	1.0	753	9.6	100	140	26	25
AUG												
11...	0830	41	120	6.6	19.0	1.1	762	8.2	88	52	40	26
SEP												
* 08...	1300	37	102	6.5	19.0	--	--	7.9	--	--	--	29

K Results based on colony counts outside the acceptable range (non-ideal colony count).

01304000 NISSEQUOGUE RIVER NEAR SMITHTOWN, NY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	ALKA-LINITY LAB (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)
OCT												
27...	6.2	2.5	13	1.2	--	16	2.9	24	<.1	5.4	76	66
DEC												
07...	6.4	2.6	11	1.2	11	--	6.6	14	<.1	--	--	--
15...	6.2	2.3	13	1.2	--	14	12	16	<.1	7.1	85	68
FEB												
24...	6.3	2.2	14	1.2	--	12	10	21	<.1	7.4	82	70
MAR												
01...	8.0	2.5	14	1.4	14	--	6.6	20	<.5	--	--	--
APR												
28...	7.6	2.8	17	1.2	--	18	12	21	<.1	6.5	69	79
JUN												
01...	6.6	2.4	12	1.2	18	--	6.0	16	<.5	--	--	--
16...	6.5	2.2	14	.9	--	15	10	16	<.1	8.1	76	67
AUG												
11...	6.5	2.3	11	.7	--	18	9.0	15	<.1	7.2	85	63
SEP												
08...	7.4	2.6	11	1.2	15	--	6.8	15	--	--	--	--

DATE	NITRO-GEN, NITRATE TAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GE , M-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	BARIUM, DIS-SOLVED (UG/L AS BA)
OCT												
27...	--	--	--	--	.49	<.010	.010	<.010	1	1	100	20
DEC												
07...	1.9	.011	.060	.24	.30	--	.009	.002	--	--	--	--
15...	--	--	--	--	.26	.020	<.010	<.010	--	--	--	--
FEB												
24...	--	--	--	--	1.40	.010	.010	.010	1	1	100	18
MAR												
01...	3.0	.012	.050	.25	.30	.003	.002	<.002	--	--	--	--
APR												
28...	--	--	--	--	.63	.080	.030	<.010	2	1	<100	14
JUN												
01...	1.8	.018	.190	.31	.50	.010	.004	.004	--	--	--	--
16...	--	--	--	--	<.10	.020	.010	.020	--	--	--	--
AUG												
11...	--	--	--	--	1.90	.020	<.010	.010	1	1	100	23
SEP												
08...	2.0	.012	<.100	--	.20	.007	.006	.002	--	--	--	--

01304000 NISSEQUOGUE RIVER NEAR SMITHTOWN, NY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO)	COBALT, DIS-SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)
OCT												
27...	<1	2	20	10	1	1	5	1	130	43	5	2
DEC												
07...	--	--	--	--	--	--	--	--	130	190	--	--
15...	--	--	--	--	--	--	--	--	--	--	--	--
FEB												
24...	2	<1	10	<10	2	3	2	<1	100	71	<1	<1
MAR												
01...	--	--	--	--	--	--	--	--	100	100	--	--
APR												
28...	<1	1	10	<10	<1	<1	2	1	310	140	1	2
JUN												
01...	--	--	--	--	--	--	--	--	300	200	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--
AUG												
11...	<1	1	10	<10	2	<1	7	5	230	76	4	<1
SEP												
08...	--	--	--	--	--	--	--	--	200	200	--	--

DATE	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	SILVER, DIS-SOLVED (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
OCT												
27...	50	35	.1	<.1	2	2	<1	<1	<1	50	5	--
DEC												
07...	50	50	--	--	--	--	--	--	--	--	--	<.02
15...	--	--	--	--	--	--	--	--	--	--	--	--
FEB												
24...	80	71	<.1	<.1	1	<1	<1	<1	<1	20	30	--
MAR												
01...	40	40	--	--	--	--	--	--	--	--	--	.02
APR												
28...	270	210	.1	.1	2	3	<1	<1	<1	20	7	--
JUN												
01...	120	100	--	--	--	--	--	--	--	--	--	<.02
16...	--	--	--	--	--	--	--	--	--	--	--	--
AUG												
11...	120	45	.1	.1	1	3	<1	<1	<1	<10	5	--
SEP												
08...	<10	<10	--	--	--	--	--	--	--	--	--	<.02

01304000 NISSEQUOGUE RIVER NEAR SMITHTOWN, NY--Continued

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 27...	1015	41	12	1.3	100
DEC 15...	0930	48	4	.52	75
FEB 24...	0900	40	1	.11	--
APR 28...	0900	55	3	.45	--
JUN 16...	0900	48	11	1.4	84
AUG 11...	0830	41	24	2.7	92

01304500 PECONIC RIVER AT RIVERHEAD, NY

LOCATION.--Lat 40°54'49", long 72°41'14", Suffolk County, Hydrologic Unit 02030202, on right bank 200 ft (61 m) downstream from Long Island Lighting Co. dam, 0.4 mi (0.6 km) west of Riverhead, and 1.2 mi (1.9 km) upstream from outlet of Sweezy Pond. Water-quality sampling site at discharge station.

DRAINAGE AREA.--About 75 mi^2 (194 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1942 to current year.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 6.54 ft (1.993 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good. Flow regulated by ponds above station.

AVERAGE DISCHARGE.--40 years, 36.5 ft^3/s (1.034 m^3/s).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 225 ft^3/s (6.37 m^3/s) Jan. 30, 1978, gage height, 1.20 ft (0.366 m) (result of regulation); minimum, 1.4 ft^3/s (0.040 m^3/s) Jan. 9, 1966, Jan. 31, 1967, Dec. 6, 1969, Jan. 27, 1972, Dec. 10, 11, 1977; minimum gage height, 0.10 ft (0.030 m) Jan. 31, 1967 (result of freezeup), Dec. 6, 1969, Jan. 27, 1972 (result of freezeup); minimum daily, 3.7 ft^3/s (0.10 m^3/s) Aug. 2, 1944.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 154 ft^3/s (4.36 m^3/s) June 12, gage height, 1.01 ft (0.308 m); minimum, 1.6 ft^3/s (0.045 m^3/s) Dec. 11, gage height, 0.11 ft (0.034 m) (result of regulation); minimum daily, 12 ft^3/s (0.34 m^3/s) Oct. 12-15, 17, 18.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	18	16	24	38	31	26	38	30	52	35	27
2	14	17	22	26	42	31	26	37	37	52	34	29
3	15	17	24	26	49	30	26	36	37	52	34	29
4	15	16	24	32	50	30	34	34	36	50	32	28
5	14	16	23	40	52	32	34	33	55	49	31	27
6	14	17	22	42	50	32	35	32	103	49	30	26
7	14	17	21	43	50	35	38	31	109	44	30	25
8	14	17	21	42	47	38	35	30	111	42	30	24
9	13	17	21	38	45	38	35	30	116	42	28	23
10	13	16	21	35	43	37	35	30	124	42	30	23
11	13	15	15	32	42	35	35	30	117	41	30	23
12	12	14	21	30	40	35	35	29	122	41	31	23
13	12	14	20	28	38	34	35	28	110	39	31	23
14	12	14	20	30	38	34	34	28	104	35	31	23
15	12	13	26	29	37	31	34	27	98	37	30	23
16	13	15	31	28	37	30	32	27	92	37	28	22
17	12	15	30	27	35	32	32	26	88	36	28	22
18	12	18	30	27	34	34	34	26	83	35	28	21
19	13	18	28	27	35	31	35	26	79	35	28	21
20	13	20	23	27	37	28	35	26	76	34	27	20
21	13	22	28	27	37	31	32	26	72	35	26	21
22	13	21	26	27	37	31	31	25	69	35	25	21
23	13	20	26	27	37	31	30	26	66	34	27	22
24	15	19	25	31	34	31	30	30	62	31	33	22
25	15	18	24	30	35	30	28	31	60	28	32	22
26	20	18	24	27	34	30	28	31	58	40	32	22
27	22	17	23	27	33	30	37	30	52	38	32	22
28	21	17	24	27	32	27	38	29	49	39	31	22
29	19	16	23	27	---	24	38	32	49	38	29	22
30	19	16	23	27	---	23	38	33	50	35	28	22
31	18	---	22	27	---	22	---	32	---	35	27	---
TOTAL	451	508	727	937	1118	968	995	929	2314	1231	928	700
MEAN	14.5	16.9	23.5	30.2	39.9	31.2	33.2	30.0	77.1	39.7	29.9	23.3
MAX	22	22	31	43	52	38	38	38	124	52	35	29
MIN	12	13	15	24	32	22	26	25	30	29	25	20

CAL YR 1981 TOTAL 7547 MEAN 20.7 MAX 38 MIN 11
WTR YR 1982 TOTAL 11806 MEAN 32.3 MAX 124 MIN 12

01304500 PECONIC RIVER AT RIVERHEAD, NY--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1966 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: June 1975 to September 1980.
WATER TEMPERATURES: June 1975 to September 1980.

COOPERATION.--All water-quality samples were collected and analyzed by Suffolk County Department of Health Services.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CACO3)
DEC											
07...	0900	21	118	7.0	2.0	12.2	8.6	2.6	9.8	2.0	12
MAR											
01...	0900	31	100	6.7	4.0	11.8	7.4	2.2	8.4	1.9	12
JUN											
01...	0800	31	100	6.9	18.0	6.1	7.2	2.2	9.4	1.8	19
SEP											
08...	0900	24	92	6.2	19.0	9.2	6.8	2.2	8.6	1.8	14

DATE	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRATE DISSOLVED (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N)
DEC										
07...	16	13	<.1	.33	.36	.006	.007	.230	.220	.50
MAR										
01...	13	13	<.5	.15	.15	.004	.004	.100	.110	.20
JUN										
01...	10	12	<.5	.18	.19	.012	.012	.330	.310	1.10
SEP										
08...	11	13	--	.20	.20	.007	.007	.100	<.100	.30

DATE	NITROGEN,AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
DEC										
07...	.30	.015	.018	.019	.023	360	200	60	60	<.02
MAR										
01...	.10	.024	.013	.010	.016	500	350	140	120	.02
JUN										
01...	.70	.193	.145	.116	.108	1200	1100	230	230	<.02
SEP										
08...	.30	.067	.044	.021	.022	700	500	90	60	<.02

01305000 CARMANS RIVER AT YAPHANK, NY

(National stream-quality accounting network station)

LOCATION.--Lat 40°49'49", long 72°54'24", Suffolk County, Hydrologic Unit 02030202, on left bank 50 ft (15 m) upstream from Long Island Railroad bridge, 0.2 mi (0.3 km) northeast of Yaphank Station, and 0.5 mi (0.8 km) southeast of Yaphank. Water-quality sampling site at discharge station.

DRAINAGE AREA.--About 71 mi^2 (184 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1942 to current year.

REVISED RECORDS.--WSP 1141: Drainage area.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 17.95 ft (5.471 m) National Geodetic Vertical Datum of 1929. Prior to Feb. 2, 1967, at same site at datum 1.00 ft (0.30 m) higher.

REMARKS.--Records good. Some regulation by two lakes above station.

AVERAGE DISCHARGE.--40 years, 23.8 ft^3/s (0.674 m^3/s).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 110 ft^3/s (3.12 m^3/s) Jan. 26, 1978, gage height, 1.93 ft (0.588 m); minimum, 2.8 ft^3/s (0.079 m^3/s) Feb. 24, 1967, gage height, 0.73 ft (0.223 m); minimum daily, 6.2 ft^3/s (0.18 m^3/s) Feb. 28, Mar. 3, 1967 (result of temporary construction upstream).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 100 ft^3/s (2.83 m^3/s) June 5, gage height, 1.89 ft (0.576 m); minimum, 7.2 ft^3/s (0.20 m^3/s) Dec. 20, gage height, 0.89 ft (0.271 m) (result of regulation).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	15	14	18	32	19	20	21	20	28	25	24
2	16	14	21	18	25	19	18	20	29	27	24	26
3	16	14	18	16	31	19	20	20	23	27	24	25
4	14	14	16	25	27	19	28	20	22	27	24	25
5	14	14	15	25	24	22	22	20	54	26	24	24
6	14	16	15	20	23	20	23	20	66	26	24	23
7	14	15	14	19	22	22	22	20	46	26	23	23
8	14	14	14	18	22	22	19	20	38	26	23	23
9	13	14	15	18	22	20	20	20	36	26	24	23
10	13	14	14	18	22	19	20	20	35	25	28	23
11	13	14	13	16	22	19	20	20	34	25	25	23
12	13	14	14	18	21	19	20	20	34	26	26	23
13	13	13	14	18	21	19	20	20	35	25	25	23
14	13	14	14	19	20	19	20	20	40	25	24	23
15	13	14	21	19	20	18	19	19	36	25	24	23
16	13	15	22	18	20	18	19	19	35	25	23	23
17	14	14	18	18	20	22	19	19	37	25	24	23
18	14	16	16	17	20	20	23	19	34	24	24	23
19	15	14	16	17	21	19	20	19	33	25	23	23
20	14	17	15	17	22	19	20	19	32	25	23	23
21	13	18	15	18	21	19	20	19	31	25	23	23
22	13	15	16	17	20	19	20	19	31	25	23	23
23	14	14	16	22	20	18	19	20	31	24	26	23
24	16	14	16	23	20	18	19	22	29	25	31	23
25	16	14	15	19	19	18	19	23	29	24	28	22
26	20	13	16	18	19	19	20	21	29	24	26	23
27	19	14	16	18	19	18	26	20	28	23	25	23
28	20	14	16	18	19	18	25	19	28	29	25	23
29	16	13	16	18	---	18	22	22	29	28	24	23
30	15	13	15	18	---	18	22	21	29	25	23	23
31	15	---	15	19	---	19	---	20	---	25	23	---
TOTAL	454	431	491	580	614	595	624	621	1013	791	761	698
MEAN	14.6	14.4	15.8	18.7	21.9	19.2	20.8	20.0	33.8	25.5	24.5	23.3
MAX	20	18	22	25	32	22	28	23	66	29	31	26
MIN	13	13	13	16	19	18	18	19	20	23	23	22

CAL YR 1981 TOTAL 6564 MEAN 18.0 MAX 29 MIN 12
WTR YR 1982 TOTAL 7673 MEAN 21.0 MAX 66 MIN 13

01305000 CARMANS RIVER AT YAPHANK, NY--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--May 1966 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE.--December 1979 to September 1981.
WATER TEMPERATURES.--December 1979 to September 1981.

COOPERATION.--Some water-quality samples were collected and analyzed by Suffolk County Department of Health Services. They are identified in the table by an asterisk (*).

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	TUR-BID-ITY (NTU)	BARO-METRIC PRES-SURE (MM OF HG)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)
OCT												
27...	1300	19	110	6.4	12.5	4.2	763	8.8	82	300	K350	27
DEC												
* 07...	1000	14	112	6.8	4.0	--	--	9.3	--	--	--	34
16...	1100	23	118	6.1	4.0	--	754	11.6	89	K12	48	26
FEB												
23...	1000	20	104	6.5	5.0	2.0	763	12.8	100	K4	200	28
MAR												
* 01...	0900	19	106	6.9	5.0	--	--	10.8	--	--	--	31
APR												
27...	1000	26	115	7.1	14.0	2.2	757	9.6	93	46	K15	31
JUN												
* 01...	0900	20	100	7.1	17.0	--	--	8.0	--	--	--	30
15...	0930	36	105	6.7	15.0	1.2	759	9.2	90	30	K19	27
AUG												
10...	0900	28	110	6.6	20.0	1.5	758	7.2	78	150	260	29
SEP												
* 08...	1000	23	95	6.2	17.0	--	--	8.0	--	--	--	29

K Results based on colony counts outside the acceptable range (non-ideal colony count).

01305000 CARMANS RIVER AT YAPHANK, NY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	ALKA-LINITY LAB (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)
OCT												
27...	6.6	2.6	8.5	1.1	--	12	12	11	<.1	11	73	60
DEC												
07...	8.2	3.3	11	1.2	13	--	13	14	<.1	--	--	--
16...	6.3	2.4	9.3	.9	--	14	13	13	<.1	9.8	80	63
FEB												
23...	6.9	2.5	8.2	1.0	--	12	12	11	<.1	11	73	60
MAR												
01...	7.6	2.6	7.4	1.3	16	--	11	13	<.5	--	--	--
APR												
27...	7.3	3.0	9.0	.8	--	18	12	9.6	<.1	11	52	64
JUN												
01...	7.6	2.6	9.0	1.2	20	--	12	11	<.5	--	--	--
15...	6.7	2.4	8.4	.5	--	14	13	9.7	<.1	11	68	60
AUG												
10...	7.2	2.6	8.2	.7	--	16	13	11	<.1	10	80	63
SEP												
08...	7.4	2.6	8.4	1.2	16	--	11	12	--	--	--	--

DATE	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	BARIUM, DIS-SOLVED (UG/L AS BA)
OCT												
27...	--	--	--	--	.84	.110	.010	<.010	1	1	100	20
DEC												
07...	1.0	.004	.050	.25	.30	.011	<.002	.005	--	--	--	--
16...	--	--	--	--	.22	.020	<.010	<.010	--	--	--	--
FEB												
23...	--	--	--	--	.79	<.010	<.010	<.010	1	1	<100	19
MAR												
01...	1.1	.004	.060	--	<.10	.002	<.002	.003	--	--	--	--
APR												
27...	--	--	--	--	.85	.090	.030	<.010	2	1	<100	15
JUN												
01...	.60	.013	.190	.41	.60	.016	.008	.018	--	--	--	--
15...	--	--	--	--	.30	.020	.010	.030	--	--	--	--
AUG												
10...	--	--	--	--	.30	.010	.020	.020	1	1	<100	29
SEP												
08...	.60	.003	<.100	--	.10	.013	.006	.002	--	--	--	--

01305000 CARMANS RIVER AT YAPHANK, NY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO)	COBALT, DIS-SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)
OCT												
27...	<1	2	10	<10	2	<1	7	<1	2700	260	9	1
DEC												
07...	--	--	--	--	--	--	--	--	230	170	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--
FEB												
23...	2	<1	10	<10	2	2	2	<1	250	140	<1	<1
MAR												
01...	--	--	--	--	--	--	--	--	300	200	--	--
APR												
27...	<1	1	10	<10	<1	<1	2	<1	570	240	4	2
JUN												
01...	--	--	--	--	--	--	--	--	650	400	--	--
15...	--	--	--	--	--	--	--	--	--	--	--	--
AUG												
10...	<1	<1	10	10	1	<1	5	2	320	150	2	<1
SEP												
08...	--	--	--	--	--	--	--	--	300	300	--	--

DATE	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	SILVER, DIS-SOLVED (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
OCT												
27...	280	160	<.1	<.1	2	1	<1	<1	<1	60	6	--
DEC												
07...	100	100	--	--	--	--	--	--	--	--	--	<.02
16...	--	--	--	--	--	--	--	--	--	--	--	--
FEB												
23...	120	100	.2	.2	1	<1	<1	<1	<1	20	25	--
MAR												
01...	130	130	--	--	--	--	--	--	--	--	--	.02
APR												
27...	110	100	<.1	<.1	1	1	<1	<1	<1	20	14	--
JUN												
01...	180	190	--	--	--	--	--	--	--	--	--	<.02
15...	--	--	--	--	--	--	--	--	--	--	--	--
AUG												
10...	70	55	<.1	<.1	2	1	<1	<1	<1	10	6	--
SEP												
08...	20	20	--	--	--	--	--	--	--	--	--	<.02

01305000 CARMANS RIVER AT YAPHANK, NY--Continued

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 27...	1300	19	60	3.1	71
DEC 16...	1100	23	12	.75	54
FEB 23...	1000	20	2	.11	--
APR 27...	1000	26	4	.28	--
JUN 15...	0930	36	19	1.8	90
AUG 10...	0900	28	34	2.6	94

01305500 SWAN RIVER AT EAST PATCHOGUE, NY

LOCATION.--Lat 40°46'01", long 72°59'39", Suffolk County, Hydrologic Unit 02030202, on left bank 94 ft (29 m) downstream from Montauk Highway in East Patchogue, 200 ft (61 m) downstream from outlet of Swan Lake, and 1.2 mi (1.9 km) upstream from mouth. Water-quality sampling site at discharge station.

DRAINAGE AREA.--About 8.8 mi^2 (23 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1946 to current year.

REVISED RECORDS.--WSP 1622: Drainage area. WDR NY-81-2: 1952-77 (M), 1978, 1979-80 (M).

GAGE.--Water-stage recorder and concrete control. Datum of gage is 2.84 ft (0.866 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good except those from July to September, which are fair. Flow regulated occasionally at outlet of Swan Lake.

AVERAGE DISCHARGE.--36 years, 12.6 ft^3/s (0.357 m^3/s).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 52 ft^3/s (1.47 m^3/s) June 5, 1982, gage height, 2.18 ft (0.664 m); minimum, 0.06 ft^3/s (0.002 m^3/s) Sept. 2, 1964, gage height, 0.02 ft (0.006 m) (result of regulation); minimum daily, 4.3 ft^3/s (0.12 m^3/s) Oct. 13, 14, 1967.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 52 ft^3/s (1.47 m^3/s) June 5, gage height, 2.18 ft (0.664 m); minimum, 6.6 ft^3/s (0.187 m^3/s) July 1, gage height, 0.45 ft (0.137 m) (result of regulation).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.1	9.4	11	15	23	12	11	11	10	15	16	13
2	9.0	9.8	16	12	13	12	10	11	16	17	16	14
3	8.5	9.4	11	11	20	12	14	11	10	18	16	13
4	8.5	9.4	11	24	14	12	18	11	11	18	16	12
5	8.1	9.4	11	15	12	13	12	11	33	18	16	11
6	8.5	11	11	12	12	12	13	11	32	17	16	11
7	8.5	9.8	9.8	11	12	14	12	11	20	17	16	11
8	8.1	9.4	10	11	12	13	11	11	18	16	15	11
9	8.1	9.4	10	11	12	12	12	11	17	16	16	11
10	8.5	9.4	10	11	12	12	12	11	17	16	17	11
11	8.5	9.4	10	11	12	12	12	11	16	17	16	10
12	8.5	9.4	10	11	12	12	12	11	16	16	16	10
13	8.1	9.4	10	11	12	12	12	11	17	16	16	9.8
14	8.1	9.4	10	11	12	12	11	11	21	16	16	9.8
15	8.1	9.8	19	11	12	12	11	11	17	17	16	9.8
16	7.7	9.8	16	11	13	12	11	10	17	16	16	9.8
17	7.7	9.8	13	11	13	13	11	10	18	16	17	9.4
18	8.1	9.8	11	11	12	12	15	10	16	15	16	9.0
19	9.0	9.4	10	11	13	12	12	10	17	15	15	9.0
20	8.1	14	9.8	11	13	12	11	9.8	17	16	15	9.4
21	8.5	12	9.8	11	12	12	11	9.8	17	16	14	9.8
22	8.5	10	10	11	12	11	11	10	17	16	13	9.8
23	8.1	10	11	16	12	11	11	11	17	16	18	9.8
24	9.8	10	10	14	12	11	11	10	17	16	18	9.8
25	9.0	10	9.8	11	12	11	11	12	17	16	17	9.8
26	15	10	11	11	12	11	12	9.8	17	15	14	9.4
27	12	10	13	11	12	11	14	9.4	17	15	13	10
28	12	9.8	11	11	12	11	13	9.4	17	18	13	9.8
29	9.8	9.8	10	11	---	11	11	11	18	17	13	9.4
30	9.8	9.8	10	11	---	11	11	9.8	18	16	13	9.4
31	9.8	---	11	13	---	12	---	9.8	---	16	13	---
TOTAL	278.1	298.0	346.2	374	362	368	359	326.8	528	505	478	311.0
MEAN	8.97	9.93	11.2	12.1	12.9	11.9	12.0	10.5	17.6	16.3	15.4	10.4
MAX	15	14	19	24	23	14	18	12	33	18	18	14
MIN	7.7	9.4	9.8	11	12	11	10	9.4	10	15	13	9.0

CAL YR 1981 TOTAL 3430.1 MEAN 9.40 MAX 19 MIN 5.9
WTR YR 1982 TOTAL 4534.1 MEAN 12.4 MAX 33 MIN 7.7

01305500 SWAN RIVER AT EAST PATCHOGUE, NY--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--May 1966 to current year.

COOPERATION.--All water-quality samples were collected and analyzed by Suffolk County Department of Health Services.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)
DEC											
07...	1100	9.8	103	6.8	3.0	12.2	6.2	2.0	9.5	1.6	12
JUN											
01...	1000	9.8	95	7.1	15.0	10.0	6.6	2.0	10	1.5	16
SEP											
05...	1100	11	90	6.2	16.0	8.3	6.7	2.0	9.2	1.6	16

DATE	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)
DEC										
07...	9.7	12	<.1	1.5	1.50	.012	.012	.210	.210	.20
JUN										
01...	8.1	11	<.5	1.4	1.50	.018	.020	.120	.120	.60
SEP										
06...	8.6	11	--	1.2	1.20	.022	.023	.100	.100	.30

DATE	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
DEC										
07...	.20	.010	<.002	.010	.007	150	110	70	70	<.02
JUN										
01...	.60	.040	.027	.012	.011	300	300	190	180	.02
SEP										
06...	.30	.027	.021	.006	.006	300	200	130	130	<.02

01306000 PATCHOGUE RIVER AT PATCHOGUE, NY

LOCATION.--Lat 40°45'56", long 73°01'16", Suffolk County, Hydrologic Unit 02030202, on left bank just downstream from Montauk Highway in Patchogue, and 1.0 mi (1.6 km) upstream from mouth.

DRAINAGE AREA.--About 13.5 mi^2 (35.0 km^2).

PERIOD OF RECORD.--May 1966 to current year.

REMARKS.--Partial-record discharge data included in this report.

COOPERATION.--All water-quality samples were collected and analyzed by Suffolk County Department of Health Services.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CACO3)
DEC										
07...	1300	160	6.9	3.0	12.3	8.8	3.1	16	3.0	20
MAR										
01...	1100	155	7.1	4.0	12.2	10	3.0	16	3.7	31
JUN										
01...	1100	145	7.2	18.0	8.0	9.6	3.0	15	3.3	32
SEP										
08...	1200	143	6.4	21.0	8.0	10	3.1	15	3.7	25

DATE	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRATE DISSOLVED (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)
DEC										
07...	12	20	<.1	1.8	1.80	.017	.017	.690	.680	.80
MAR										
01...	10	21	<.5	2.2	2.20	.013	.013	1.20	1.20	1.30
JUN										
01...	9.6	18	<.1	1.6	1.60	.042	.044	.950	.950	1.50
SEP										
08...	10	19	--	2.1	2.10	.022	.023	.100	.100	.20

DATE	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
DEC										
07...	.70	.011	<.002	.011	.007	580	320	280	280	<.02
MAR										
01...	1.6	.015	.010	.007	.006	500	400	480	480	.03
JUN										
01...	.60	.028	.014	.008	.006	1400	750	720	680	<.02
SEP										
08...	.20	.021	.012	.002	.002	500	300	140	120	<.02

01306440 CONNETQUOT BROOK AT CENTRAL ISLIP, NY

LOCATION.--Lat 40°47'33", long 73°09'58", Suffolk County, Hydrologic Unit 02030202, 200 ft (61 m) downstream from culvert on Veterans Memorial Highway, 2 miles (3 km) northeast of Central Islip, and 3.8 miles (6.1 km) upstream from gaging station 01306499.

DRAINAGE AREA.--About 12 mi² (31 km²).

PERIOD OF RECORD.--Occasional low-flow measurements, water years 1968, 1971-78. May 1979 to current year.

GAGE.--Water-stage recorder and Parshall flume. Datum of gage is 29.93 ft (9.123 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good except those for period of no gage-height record, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 40 ft³/s (1.13 m³/s) Aug. 4, 1979, gage height, 1.56 ft (0.475 m); minimum, 0.36 ft³/s (0.010 m³/s) July 15, 1980 (result of regulation), gage height, 0.12 ft (0.037 m).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 24 ft³/s (0.68 m³/s) June 5, gage height, 1.13 ft (0.344 m); minimum, 1.2 ft³/s (0.034 m³/s) Oct. 10, 12, 19, 23, gage height, 0.20 ft (0.061 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.5	2.0	1.8	2.9	6.6	3.3	4.5	4.6	3.3	6.1	3.9	2.8
2	1.8	1.8	2.8	2.7	5.4	3.3	4.0	4.6	8.6	5.9	3.7	3.9
3	1.8	1.8	2.1	2.5	8.2	3.5	4.5	4.4	5.4	6.1	3.7	3.9
4	1.7	1.7	2.0	6.3	7.0	4.0	7.0	4.4	4.8	6.1	3.7	3.5
5	1.5	1.7	2.0	4.9	6.1	5.4	6.0	4.2	15	5.6	3.5	3.2
6	1.5	2.1	2.0	4.4	5.6	5.0	6.0	4.2	16	5.4	3.5	3.0
7	1.6	1.8	2.0	4.2	5.2	5.4	5.5	4.2	13	5.4	3.5	3.0
8	1.5	1.7	2.1	4.0	5.0	5.5	5.1	4.2	10	5.4	3.3	2.8
9	1.4	1.7	2.1	3.9	5.0	5.4	4.9	3.9	9.2	5.6	3.3	2.8
10	1.4	1.7	2.0	3.7	4.8	5.2	5.1	3.9	8.5	5.2	3.5	2.8
11	1.4	1.5	1.8	3.5	4.6	5.0	5.4	3.7	8.2	5.0	3.3	2.8
12	1.4	1.5	1.8	3.4	4.4	5.0	5.2	3.7	8.0	5.0	3.5	2.6
13	1.4	1.5	1.8	3.4	4.4	4.8	5.0	3.7	8.2	5.0	3.3	2.6
14	1.3	1.5	1.8	3.5	4.2	4.8	4.7	3.7	10	4.8	3.2	2.6
15	1.3	1.5	3.5	3.4	[illegible]	4.8	4.6	3.7	8.5	4.8	3.2	2.6
16	1.3	1.5	3.5	3.3	4.2	5.0	4.5	3.5	8.2	4.8	3.2	2.6
17	1.3	1.5	3.0	3.2	3.9	5.4	4.5	3.3	9.0	4.6	3.2	2.6
18	1.4	1.7	2.8	3.2	3.7	5.2	5.4	3.3	8.0	4.4	3.2	2.5
19	1.4	1.5	2.7	3.2	3.9	5.0	4.5	3.2	7.8	4.4	3.0	2.5
20	1.3	2.3	2.6	3.2	4.2	4.8	4.3	3.2	7.5	5.0	3.0	2.6
21	1.3	2.0	2.6	3.2	3.9	4.8	4.4	3.2	7.3	4.8	2.8	2.6
22	1.3	1.8	2.6	3.1	3.7	4.8	4.2	3.0	7.3	4.4	2.8	2.6
23	1.4	1.7	2.6	4.3	3.5	4.8	4.2	3.2	7.0	4.2	3.2	2.6
24	1.7	1.7	2.5	4.1	3.5	4.8	4.2	3.3	6.6	4.2	4.4	2.5
25	1.5	1.7	2.5	3.7	3.5	4.8	3.9	4.2	6.6	3.9	3.7	2.5
26	3.2	1.7	2.4	3.5	3.3	4.8	4.6	3.5	6.4	3.7	3.5	2.5
27	2.3	1.7	2.4	3.3	3.3	4.5	6.4	3.3	6.4	3.7	3.3	2.6
28	2.6	1.5	2.4	3.3	3.3	4.2	6.1	3.2	6.4	5.4	3.2	2.6
29	2.1	1.5	2.3	3.2	---	4.0	5.0	4.2	6.8	5.0	3.0	2.5
30	2.1	1.5	2.3	3.2	---	3.9	4.8	3.7	6.8	4.2	2.8	2.5
31	2.0	---	2.3	3.6	---	4.0	---	3.3	---	4.2	2.8	---
TOTAL	50.7	50.8	73.1	111.3	126.6	145.1	148.5	115.7	245.0	152.3	103.2	83.2
MEAN	1.64	1.69	2.36	3.59	4.59	4.68	4.95	3.73	8.17	4.91	3.33	2.77
MAX	3.2	2.3	3.5	6.3	8.2	5.5	7.0	4.6	16	6.1	4.4	3.9
MIN	1.3	1.5	1.8	2.5	3.3	3.3	3.9	3.0	3.3	3.7	2.8	2.5

CAL YR 1981 TOTAL 935.72 MEAN 2.56 MAX 6.1 MIN .86
WTR YR 1982 TOTAL 1407.50 MEAN 3.86 MAX 16 MIN 1.3

Note.--No gage-height record Feb. 22 to Apr. 8.

01306460 CONNETQUOT BROOK NEAR CENTRAL ISLIP, NY

LOCATION.--Lat 40°46'19", long 73°09'33", Suffolk County, Hydrologic Unit 02030202, 200 ft (61 m) upstream from bridge on dirt road in Connetquot River State Park Preserve, and 1.8 mi (2.9 km) upstream from gaging station 01306499.

DRAINAGE AREA.--About 18 mi² (47 km²).

PERIOD OF RECORD.--Occasional low-flow measurements, water years 1968, 1973-77. November 1977 to current year.

GAGE.--Water-stage recorder and wooden stoplog control. Datum of gage is 15.10 ft (4.602 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 146 ft³/s (4.13 m³/s) Aug. 12, 1978, gage height, 2.78 ft (0.847 m) from flood marks; minimum, 13 ft³/s (0.37 m³/s) Aug. 18-22, 1981, gage height, 1.88 ft (0.573 m).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 98 ft³/s (2.78 m³/s) June 5, gage height, 2.52 ft (0.768 m); minimum, 14 ft³/s (0.40 m³/s) Oct. 11-18, gage height, 1.92 ft (0.585 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	20	17	25	40	26	30	31	26	36	28	24
2	17	19	24	25	35	26	28	30	47	36	27	31
3	17	18	20	24	45	27	30	29	35	34	26	28
4	16	18	20	41	40	28	40	29	32	34	26	26
5	16	17	19	36	37	34	35	29	67	34	26	25
6	16	19	20	31	35	32	35	28	68	34	26	23
7	16	18	20	29	33	34	34	28	56	33	26	22
8	15	17	20	27	31	35	33	28	49	31	26	21
9	15	17	21	27	31	34	32	28	46	32	26	20
10	15	17	20	27	30	33	32	27	46	31	26	20
11	14	17	20	27	30	32	34	27	46	30	26	20
12	14	17	20	27	30	32	33	27	46	29	27	19
13	14	17	19	27	29	32	32	27	46	29	26	18
14	14	16	20	26	29	31	31	27	46	29	26	18
15	14	17	31	26	29	31	31	26	46	29	26	18
16	14	17	33	24	28	31	30	26	46	28	26	18
17	14	17	30	24	28	34	30	26	45	28	26	18
18	15	17	29	24	28	33	34	26	44	28	25	17
19	16	16	27	24	29	32	31	26	43	27	24	17
20	15	20	25	24	29	32	30	25	41	29	24	18
21	15	20	24	24	28	32	29	24	41	29	23	18
22	15	19	23	24	27	31	29	24	41	28	24	18
23	15	18	24	28	27	31	28	26	41	27	26	18
24	18	18	23	27	27	31	28	27	41	26	29	17
25	16	17	23	26	27	31	28	31	41	26	28	17
26	27	17	23	26	26	31	30	28	39	26	27	17
27	22	17	23	25	26	30	38	26	36	25	27	18
28	24	17	23	25	26	29	38	26	36	32	26	17
29	22	16	22	25	---	28	34	30	36	31	24	17
30	21	16	21	25	---	27	32	28	36	29	24	17
31	20	---	21	27	---	28	---	27	---	28	24	---
TOTAL	518	526	705	827	860	958	959	847	1309	928	801	595
MEAN	16.7	17.5	22.7	26.7	30.7	30.9	32.0	27.3	43.6	29.9	25.8	19.8
MAX	27	20	33	41	45	35	40	31	68	36	29	31
MIN	14	16	17	24	26	26	28	24	26	25	23	17

CAL YR 1981 TOTAL 6995 MEAN 19.2 MAX 43 MIN 13
WTR YR 1982 TOTAL 9833 MEAN 26.9 MAX 68 MIN 14

01306500 CONNETQUOT RIVER NEAR OAKDALE, NY

LOCATION.--Lat 40°44'51", long 73°09'03", Suffolk County, Hydrologic Unit 02030202, on left bank just downstream from bridge on State Highway 27, 1.0 mi (1.6 km) west of Oakdale. Water-quality sampling site at base gage.

DRAINAGE AREA.--About 24 mi² (62 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1943 to current year (monthly means estimated October 1974 to September 1975).

REVISED RECORDS.--WSP 1141: Drainage area.

GAGE.--Base gage (01306499): Water-stage recorder and wooden stoplog control. Datum of gage is 1.56 ft (0.475 m) National Geodetic Vertical Datum of 1929.
Supplementary gage (01306495): Water-stage recorder with concrete control on left bank of secondary channel 0.25 mi (0.40 km) northeast of base gage at datum of 4.74 ft (1.445 m) National Geodetic Vertical Datum of 1929. Prior to Aug. 10, 1965, at datum 1.0 ft (0.30 m) higher.

REMARKS.--Records fair. Flow at both gages occasionally regulated by cleaning operations at outlets of ponds above stations. Discharge figures are those of combined flows in main and secondary channels.

AVERAGE DISCHARGE.--39 years, 38.5 ft³/s (1.090 m³/s).

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 263 ft³/s (7.45 m³/s) Oct. 16, 1955; minimum daily, 16 ft³/s (0.45 m³/s) Oct. 13, 1966.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 109 ft³/s (3.09 m³/s) June 5; minimum daily, 19 ft³/s (0.54 m³/s) Oct. 21, 22.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	27	28	39	58	34	34	37	34	43	35	31
2	26	25	42	39	48	34	31	36	57	41	34	36
3	24	24	35	35	68	34	36	36	46	41	34	34
4	22	25	32	67	61	34	60	35	39	42	35	32
5	20	25	31	63	50	41	43	34	91	40	34	31
6	21	30	30	47	48	38	45	34	109	38	33	31
7	23	28	28	45	46	43	40	34	77	38	33	32
8	20	25	34	44	43	44	38	34	65	37	33	31
9	20	25	34	43	43	38	37	34	59	38	33	30
10	21	25	34	41	45	37	38	32	55	39	34	29
11	22	26	34	39	42	37	40	32	52	38	33	29
12	21	24	33	43	41	37	39	33	51	39	33	29
13	21	25	34	42	40	37	39	34	52	40	33	28
14	21	26	33	42	40	36	37	31	61	40	32	29
15	21	28	42	44	39	35	35	31	54	38	31	30
16	22	29	47	44	39	35	35	31	50	34	31	30
17	21	27	39	44	39	38	35	31	51	34	32	30
18	25	27	39	44	39	36	41	31	48	33	33	30
19	25	25	38	44	41	35	36	31	48	34	31	30
20	21	30	35	44	41	35	34	31	47	36	32	30
21	19	33	34	44	41	35	35	31	45	37	30	31
22	19	27	35	44	40	35	33	29	44	37	30	30
23	22	25	35	45	40	34	33	31	45	36	33	30
24	24	25	34	47	38	34	33	32	43	35	36	28
25	21	26	33	43	35	34	33	38	42	35	36	27
26	35	28	33	42	34	34	35	34	42	36	33	29
27	32	30	36	39	34	33	46	32	42	36	31	30
28	35	28	37	37	34	30	46	31	41	41	31	29
29	30	24	36	37	---	31	40	39	43	42	30	29
30	29	24	34	37	---	31	38	36	45	37	31	30
31	28	---	32	37	---	32	---	35	---	35	31	---
TOTAL	733	796	1081	1345	1207	1101	1145	1030	1578	1168	1011	905
MEAN	23.6	26.5	34.9	43.4	43.1	35.5	38.2	33.2	52.6	37.7	32.6	30.2
MAX	35	33	47	67	68	44	60	39	109	43	36	36
MIN	19	24	28	35	34	30	31	29	34	33	30	27

CAL YR 1981	TOTAL	10613	MEAN 29.1	MAX	53	MIN 19	
WTR YR 1982	TOTAL	13100	MEAN 35.9	MAX	109	MIN 19	

01306500 CONNETQUOT RIVER NEAR OAKDALE, NY--Continued

WATER-QUALITY

PERIOD OF RECORD.--01306499 (Base gage): May 1966 to current year.

COOPERATION.--All water-quality samples were collected and analyzed by Suffolk County Department of Health Services.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)
DEC 08...	1400	28	95	6.7	5.0	10.5	5.9	2.8	8.0	1.2	15
MAR 02...	1400	24	90	6.9	6.0	10.8	5.8	2.7	8.0	1.3	17
JUN 02...	1400	33	85	6.7	17.0	9.2	5.6	2.4	7.6	1.2	16
SEP 06...	1400	21	90	7.1	17.0	10.6	6.2	2.6	8.0	1.3	17

DATE	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)
DEC 08...	6.6	11	<.1	1.6	1.60	.010	.010	.140	.120	.30
MAR 02...	6.0	11	<.5	1.8	1.80	.008	.009	.110	.100	.30
JUN 02...	6.1	8.9	<.1	.88	.88	.018	.018	<.100	<.100	.30
SEP 06...	6.3	10	--	1.3	1.30	.015	.015	<.100	.100	.30

DATE	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
DEC 08...	.40	.018	.012	.014	.008	240	170	80	--	<.02
MAR 02...	<.10	.018	.009	.014	.014	200	150	60	60	<.02
JUN 02...	.50	.027	.024	.016	.015	400	280	100	110	<.02
SEP 06...	.30	.290	.220	.010	.006	300	200	40	40	<.02

01307000 CHAMPLIN CREEK AT ISLIP, NY

LOCATION.--Lat 40°44'13", long 73°12'08", Suffolk County, Hydrologic Unit 02030202, on right bank just upstream from Long Island Railroad bridge, 220 ft (67 m) downstream from Moffitt Boulevard, at Islip, and 1.8 mi (2.9 km) upstream from mouth.

DRAINAGE AREA.--About 6.5 mi² (16.5 km²).

PERIOD OF RECORD.--Water years 1966 to current year.

REMARKS.--Partial-record discharge data included in this report.

COOPERATION.--All water-quality samples were collected and analyzed by Suffolk County Department of Health Services.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)
DEC										
08...	1300	202	6.5	9.0	5.7	13	3.4	21	2.9	19
MAR										
02...	1300	175	6.3	9.0	6.9	13	3.0	20	2.6	18
JUN										
02...	1300	170	6.3	12.0	5.7	12	3.0	20	2.9	19
SEP										
06...	1300	155	6.1	14.0	7.0	11	3.0	18	2.7	17

DATE	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)
DEC										
08...	20	30	<.1	2.6	2.70	.022	.022	.630	.620	.60
MAR										
02...	19	28	<.5	3.5	3.50	.018	.016	.540	.550	.60
JUN										
02...	17	27	<.1	1.8	1.90	.032	.034	.600	.600	.90
SEP										
06...	17	24	--	2.5	2.40	.047	.047	.300	.300	.40

DATE	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
DEC										
08...	.70	.011	.003	.006	.005	330	250	330	--	<.02
MAR										
02...	.60	.007	<.002	.007	.005	300	250	700	700	.03
JUN										
02...	.90	.310	.210	.018	.016	500	300	730	660	.02
SEP										
06...	.50	.017	.012	.009	.007	300	200	850	620	<.02

01307500 PENATAQUIT CREEK AT BAY SHORE, NY

LOCATION.--Lat 40°43'37", long 73°14'41", Suffolk County, Hydrologic Unit 02030202, on right bank just upstream from Union Avenue in Bay Shore, and 4,500 ft (1.372 m) upstream from mouth.

DRAINAGE AREA.--About 5 mi² (13 km²).

PERIOD OF RECORD.--May 1966 to current year.

REMARKS.--Partial-record discharge data included in this report.

COOPERATION.--All water-quality samples were collected and analyzed by Suffolk County Department of Health Services.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)
DEC 08...	1100	280	5.6	10.0	6.3	16	3.8	34	3.6	27
MAR 02...	1100	250	6.4	9.0	8.2	18	3.8	36	3.6	26
JUN 02...	1100	250	6.5	13.0	6.1	16	3.8	36	3.5	32
SEP 06...	1200	240	6.2	15.0	7.2	16	3.7	34	3.8	25

DATE	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)
DEC 08...	23	44	<.1	3.3	3.30	.039	.041	.940	.930	1.00
MAR 02...	24	47	<.5	4.0	4.20	.280	.280	1.00	1.00	1.00
JUN 02...	22	45	<.1	2.5	2.60	.043	.044	1.00	1.00	1.20
SEP 06...	22	48	--	3.9	3.90	.037	.036	.600	.600	.60

DATE	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
DEC 08...	1.1	.044	.014	.022	.019	550	360	1100	--	.07
MAR 02...	1.0	.030	.014	.023	.019	400	200	1000	1000	.10
JUN 02...	1.2	.038	.023	.021	.016	600	400	1200	1100	.05
SEP 06...	.60	.033	.014	.011	.006	500	300	890	840	.02

01308000 SAMPAWAMS CREEK AT BABYLON, NY

LOCATION.--Lat 40°42'15", long 73°18'52", Suffolk County, Hydrologic Unit 02030202, on left bank at upstream side of John Street Bridge in Babylon, 180 ft (55 m) downstream from Long Island Railroad, and 0.6 mi (1.0 km) upstream from mouth. Water-quality sampling site at discharge station.

DRAINAGE AREA.--About 23 mi² (60 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1944 to current year (monthly means estimated December 1966 to November 1967).

REVISED RECORDS.--WSP 1141: Drainage area. WSP 1702: 1955(M), 1956(M). WRD NY 1974: 1970(P).

GAGE.--Water-stage recorder and concrete control. Datum of gage is 6.36 ft (1.939 m) National Geodetic Vertical Datum of 1929. October 1944 to December 1966, water-stage recorder at site 100 ft (30 m) east at datum 0.34 ft (0.104 m) higher.

REMARKS.--Records good except those for July to September, which are fair. Flow regulated slightly by pumping operations at railroad and occasionally by ponds above station. Indeterminate effect caused by ground-water pumpage for water-supply purposes at Smith Street substation 0.2 mi (0.3 km) northwest of gage. Prior to November 1950, slight diurnal fluctuation caused by power operations.

AVERAGE DISCHARGE.--38 years, 9.63 ft³/s (0.273 m³/s).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 136 ft³/s (3.85 m³/s) Sept. 12, 1960, gage height, 2.11 ft (0.643 m) datum then in use; maximum gage height, 3.28 ft (1.000 m) Feb. 7, 1971; minimum discharge, 1.6 ft³/s (0.045 m³/s) June 28, 1963, gage height, 0.13 ft (0.040 m) datum then in use.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 55 ft³/s (1.56 m³/s) and maximum (*):

		Discharge		Gage height	
Date	Time	(ft³/s)	(m³/s)	(ft)	(m)
Jan. 4	1315	59	1.67	1.34	0.41
Apr. 3	2030	*80	2.27	*1.73	.53
June 2	0230	75	2.12	1.64	0.50
June 5	0730	71	2.01	1.56	.48

Minimum discharge, 4.5 ft³/s (0.13 m³/s) Sept. 29, 30; minimum gage height, 0.25 ft (0.076 m) Oct. 20.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.5	7.6	8.4	13	20	8.9	13	11	8.7	11	9.8	6.8
2	8.3	7.6	12	9.2	13	9.1	13	10	23	9.8	9.4	13
3	6.5	7.5	7.8	9.0	28	8.7	23	10	12	11	9.1	9.1
4	6.1	7.6	7.7	29	16	11	18	9.8	11	11	9.1	7.2
5	6.1	7.6	7.6	16	13	12	12	9.8	39	9.4	9.1	6.8
6	7.9	9.4	7.5	13	13	11	13	9.8	24	9.1	8.7	6.8
7	7.6	7.2	7.2	12	12	13	11	9.4	18	9.1	8.7	6.5
8	6.1	6.8	8.4	11	12	11	12	9.4	15	9.1	8.3	6.5
9	6.1	6.8	7.9	12	12	10	12	9.4	14	9.8	7.9	6.5
10	5.8	6.8	7.4	11	12	9.8	12	9.4	14	8.3	8.3	6.5
11	5.8	6.9	7.2	11	11	9.8	12	9.1	12	8.3	7.9	6.5
12	5.8	6.5	6.8	10	11	10	11	9.2	12	8.7	9.4	6.1
13	5.5	6.5	6.9	11	11	9.9	11	9.0	15	8.3	8.3	6.1
14	5.5	6.9	7.8	11	10	9.3	11	8.8	22	8.3	7.9	6.1
15	5.5	7.8	17	10	11	9.1	11	8.7	14	8.3	7.9	6.1
16	5.8	7.8	13	11	11	9.3	11	8.7	14	8.3	7.6	6.1
17	5.2	7.1	10	9.9	10	11	11	8.4	14	8.3	7.6	6.1
18	6.8	6.8	10	9.8	10	9.8	15	8.1	12	8.3	7.2	6.1
19	6.5	6.4	9.9	9.5	11	9.8	11	8.1	12	12	7.2	5.8
20	5.2	12	9.7	9.6	11	9.5	11	8.1	11	15	7.2	7.6
21	5.2	7.7	9.6	9.4	10	9.7	11	7.8	11	13	6.8	5.8
22	5.2	6.8	9.8	9.1	9.9	9.2	11	7.7	11	11	6.5	5.5
23	6.8	6.8	10	16	9.7	9.0	10	9.0	13	11	8.7	5.5
24	8.3	6.8	9.4	14	9.5	8.9	10	8.6	11	9.9	7.9	5.5
25	6.5	6.7	9.4	11	9.3	9.0	10	16	11	9.8	11	5.5
26	17	6.6	9.6	10	9.1	9.1	13	10	11	10	7.9	5.2
27	11	7.0	9.9	9.6	9.1	8.6	14	9.2	11	9.8	7.9	5.8
28	11	6.8	9.6	9.5	9.0	8.4	15	8.3	11	21	7.2	5.2
29	7.6	6.6	9.3	9.1	---	8.5	12	11	14	14	6.5	5.2
30	7.5	6.5	9.0	9.6	---	8.7	11	9.3	12	11	6.5	4.8
31	7.4	---	9.2	13	---	10	---	8.7	---	10	6.1	---
TOTAL	218.1	217.9	285.0	358.3	333.6	301.1	371	289.8	432.7	321.8	249.6	192.3
MEAN	7.04	7.26	9.19	11.6	11.9	9.71	12.4	9.35	14.4	10.4	8.05	6.41
MAX	17	12	17	29	28	13	23	16	39	21	11	13
MIN	5.2	6.4	6.8	9.0	9.0	8.4	10	7.7	8.7	8.3	6.1	4.8

CAL YR 1981 TOTAL 2596.0 MEAN 7.11 MAX 47 MIN 4.2
WTR YR 1982 TOTAL 3571.2 MEAN 9.78 MAX 39 MIN 4.8

01308000 SAMPAWAMS CREEK AT BABYLON, NY--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--May 1966 to current year.

COOPERATION.--All water-quality samples were collected and analyzed by Suffolk County Department of Health Services.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)
DEC 08...	1000	7.6	260	6.6	9.0	5.9	15	3.6	27	4.3	35
MAR 02...	1000	6.7	220	6.5	8.0	8.2	16	3.2	26	4.1	34
JUN 02...	1000	16	130	6.5	17.0	6.8	8.8	2.0	15	2.7	22
SEP 06...	1100	6.8	200	5.8	16.0	4.2	14	3.3	24	4.3	17

DATE	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)
DEC 08...	28	31	<.1	2.6	2.60	.018	.019	2.80	2.80	3.10
MAR 02...	28	32	<.5	3.0	3.10	.014	.015	2.60	2.60	2.90
JUN 02...	14	17	<.5	.68	.78	.023	.024	1.30	1.30	1.60
SEP 06...	25	30	--	4.2	4.20	.028	.028	.100	.100	--

DATE	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
DEC 08...	2.7	.012	.005	.009	.007	1900	1600	1600	--	.06
MAR 02...	2.8	.010	.012	.009	.007	1200	1000	1800	1800	.08
JUN 02...	1.6	.034	.026	.017	.012	1100	750	950	900	.05
SEP 06...	--	.006	.006	.002	.002	400	300	120	120	.05

01308500 CARLLS RIVER AT BABYLON, NY

LOCATION.--Lat 40°42'31", long 73°19'44", Suffolk County, Hydrologic Unit 02030202, on left bank 130 ft (40 m) downstream from outlet of Southards Pond in Babylon, and 0.9 mi (1.4 km) upstream from mouth. Water-quality sampling site at discharge station.

DRAINAGE AREA.--About 35 mi² (91 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1944 to current year.

REVISED RECORDS.--WSP 1141: Drainage area. WRD NY 1972: 1947(m), 1952(m), 1954(m), 1958(m), 1960-63(m).

GAGE.--Water-stage recorder and concrete control. Datum of gage is 10.63 ft (3.240 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good. Occasional regulation at outlet of Southards Pond.

AVERAGE DISCHARGE.--38 years, 26.6 ft³/s (0.753 m³/s).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 243 ft³/s (6.88 m³/s) Jan. 21, 1979, gage height, 2.26 ft (0.689 m); minimum, 0.05 ft³/s (0.001 m³/s) Sept. 4, 1963, July 6, 1966, Aug. 29, 1972 (result of regulation); minimum gage height, 0.03 ft (0.009 m) July 6, 1966, Aug. 29, 1972 (result of regulation); minimum daily, 4.5 ft³/s (0.13 m³/s) July 6, 1966.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 150 ft³/s (4.25 m³/s) June 5, gage height, 1.72 ft (0.524 m); minimum recorded, 12 ft³/s (0.34 m³/s) Sept. 26, 27, 29, 30, gage height, 0.51 ft (0.155 m), but may have been less during period of no gage-height record July 19-27.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	21	20	33	44	25	28	30	24	26	20	16
2	18	21	47	33	38	26	26	28	79	24	19	25
3	17	20	33	26	58	25	42	28	37	26	20	20
4	15	20	26	85	51	27	81	27	30	26	21	17
5	18	20	24	72	40	42	35	26	98	24	16	16
6	19	26	23	43	38	31	38	26	88	24	16	16
7	23	22	22	38	35	37	36	25	59	23	17	15
8	17	20	23	35	34	38	34	25	45	24	17	15
9	16	19	27	34	34	31	34	28	41	23	17	15
10	16	18	23	32	34	29	34	26	38	21	20	15
11	15	18	21	30	30	29	34	24	35	21	18	14
12	15	19	21	29	29	30	34	23	34	22	21	14
13	15	18	20	28	29	28	33	20	40	22	18	13
14	15	18	21	28	28	27	32	22	70	21	17	14
15	15	20	48	27	28	26	29	22	44	20	17	14
16	15	22	50	27	29	26	29	22	38	20	16	14
17	14	20	34	26	28	34	29	22	40	20	16	14
18	15	20	30	26	28	30	49	22	35	19	16	14
19	22	18	27	26	30	28	33	22	34	18	16	13
20	16	29	26	26	31	27	26	22	32	25	16	16
21	15	29	25	26	29	27	29	21	31	22	15	17
22	15	22	25	26	28	27	28	21	32	20	14	16
23	17	20	27	40	27	25	27	24	34	19	17	14
24	28	20	25	35	27	23	27	27	29	18	28	13
25	20	19	24	31	28	20	26	48	28	17	24	13
26	50	19	23	30	26	24	30	29	27	17	20	12
27	34	19	24	29	26	23	50	25	26	17	17	13
28	39	19	26	29	26	22	45	23	26	34	17	13
29	25	18	24	29	---	22	34	35	29	30	16	13
30	23	18	22	29	---	23	31	27	32	22	15	12
31	21	---	22	29	---	25	---	24	---	21	15	---
TOTAL	619	612	833	1037	913	857	1043	794	1235	686	552	446
MEAN	20.0	20.4	26.9	33.5	32.6	27.6	34.8	25.6	41.2	22.1	17.8	14.9
MAX	50	29	50	85	58	42	81	48	98	34	28	25
MIN	14	18	20	26	26	20	26	20	24	17	14	12

CAL YR 1981 TOTAL 8072 MEAN 22.1 MAX 124 MIN 10
WTR YR 1982 TOTAL 9627 MEAN 26.4 MAX 98 MIN 12

01308500 CARLLS RIVER AT BABYLON, NY--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--May 1966 to current year.

COOPERATION.--All water-quality samples were collected and analyzed by Suffolk County Department of Health Services.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CACO3)
DEC 08...	0900	22	230	7.2	4.0	10.5	14	3.3	26	3.8	28
MAR 02...	0900	25	215	6.8	4.0	11.4	16	3.0	27	4.0	28
JUN 01...	0900	24	180	6.9	17.0	7.0	11	2.5	22	3.4	28
SEP 06...	1000	16	175	6.6	14.0	7.4	12	3.0	22	3.6	20

DATE	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRATE DISSOLVED (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)
DEC 08...	25	30	<.1	2.5	2.50	.012	.013	1.80	1.80	2.00
MAR 02...	27	33	<.5	3.5	3.40	.015	.016	2.00	2.00	2.00
JUN 01...	21	25	<.1	1.3	1.30	.046	.047	1.60	1.60	1.90
SEP 06...	23	28	--	2.9	2.80	.028	.028	.200	.100	.40

DATE	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
DEC 08...	2.0	.012	.010	.004	.003	450	240	900	--	.04
MAR 02...	2.0	.008	.003	.005	.003	400	200	1100	1100	.08
JUN 01...	1.8	.018	.043	.006	.003	850	550	1500	1400	.04
SEP 06...	.50	.017	.009	.002	<.002	200	200	80	60	.03

01309000 SANTAPOGUE CREEK AT LINDENHURST, NY

LOCATION.--Lat 40°41'30", long 73°21'20", Suffolk County, Hydrologic Unit 02030202, on left bank just upstream from East Hoffman Avenue bridge, 1.0 mi (1.6 km) east of Long Island Railroad station in Lindenhurst, and 1.5 mi (2.4 km) upstream from mouth.

DRAINAGE AREA.--About 7 mi² (18 km²).

PERIOD OF RECORD.--Water years 1966 to current year.

REMARKS.--Partial-record discharge data included in this report.

COOPERATION.--All water-quality samples were collected and analyzed by Suffolk County Department of Health Services.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)
DEC 08...	0800	340	6.8	3.0	5.8	22	5.0	33	6.0	58
MAR 02...	0600	320	6.8	6.0	7.4	23	5.0	38	10	73
JUN 02...	0800	135	6.8	17.0	5.8	9.9	1.9	11	3.6	31
SEP 06...	0900	260	6.5	14.0	4.5	21	4.5	32	7.0	62

DATE	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)
DEC 08...	33	40	<.1	1.2	1.20	.010	.011	3.30	3.30	3.60
MAR 02...	35	48	<.5	1.4	1.40	.013	.014	4.60	4.60	4.70
JUN 02...	9.4	13	<.5	<.20	<.20	.013	.016	.900	.900	1.50
SEP 06...	32	40	--	1.3	1.30	.020	.019	3.20	3.30	3.10

DATE	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
DEC 08...	3.7	.013	.002	.002	.002	3900	3400	3300	--	.06
MAR 02...	4.7	.004	.004	.004	.003	2500	2500	3600	3500	.07
JUN 02...	1.4	.072	.038	.020	.015	2000	1350	1100	980	.03
SEP 06...	3.1	.020	.017	.005	.004	2600	2200	3900	3900	.06

01309500 MASSAPEQUA CREEK AT MASSAPEQUA, NY

LOCATION.--Lat 40°41'20", long 73°27'19", Nassau County, Hydrologic Unit 02030202, on left bank 3000 ft (914 m) upstream from Clark Boulevard Bridge in Massapequa, and 350 ft (107 m) west of Lake Shore Drive at Garfield Street in Massapequa Park. Water-quality sampling site at discharge station.

DRAINAGE AREA.--About 38 mi² (98 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June to October 1903, December 1936 to current year (monthly means estimated December 1959 to February 1961). Published as Massatayun Creek at Massapequa, December 1936 to September 1941.

REVISED RECORDS.--WSP 1411: Drainage area. WRD NY 1970: 1966-69 (M).

GAGE.--Water-stage recorder and concrete control. Datum of gage is 18.31 ft (5.581 m) National Geodetic Vertical Datum of 1929. Prior to October 1903, non-recording gage at different datum. December 1936 to March 1961, at same site at datum 1.0 ft (0.30 m) higher.

REMARKS.--Records good.

AVERAGE DISCHARGE.--45 years (1937-82), 11.4 ft³/s (0.323 m³/s).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 510 ft³/s (14.4 m³/s) July 29, 1980, gage height, 2.40 ft (0.732 m), from rating curve extended above 170 ft³/s (4.81 m³/s); minimum, 0.95 ft³/s (0.027 m³/s) Aug. 4, 1963, Nov. 2, 1965, Jan. 8, 1977 (result of freezeup); minimum gage height, 0.32 ft (0.098 m) Aug. 1, 1954, datum then in use.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 110 ft³/s (3.12 m³/s) and maximum (*):

Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)
Jan. 4	1000	*159	4.50	*1.67	0.509
Feb. 3	0600	112	3.17	1.51	.460
Apr. 3	2300	156	4.42	1.66	0.506
June 2	0400	150	4.25	1.64	.500

Minimum discharge, 1.3 ft³/s (0.037 m³/s) July 12, gage height, 0.59 ft (0.180 m) (result of regulation).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.6	4.0	6.2	15	19	7.7	8.1	9.0	6.7	7.2	5.4	6.7
2	3.3	4.0	17	7.2	9.0	7.7	6.3	8.6	37	6.7	4.9	9.0
3	3.0	4.0	5.8	5.8	49	7.2	25	8.1	9.5	7.2	4.9	6.7
4	2.6	3.6	5.4	55	13	12	25	8.1	8.6	7.7	4.9	4.4
5	2.6	3.6	4.9	14	11	14	9.5	7.7	29	6.7	4.9	4.0
6	3.6	7.8	4.4	11	10	9.6	11	7.7	15	6.3	5.4	3.6
7	5.5	4.4	4.4	9.5	9.5	16	9.5	7.7	19	6.3	4.4	3.6
8	3.3	4.0	5.8	8.6	9.0	11	9.5	7.7	14	6.3	3.6	3.6
9	3.0	4.0	6.3	8.1	9.5	9.0	9.0	7.7	12	7.7	4.4	3.6
10	2.6	4.0	4.9	7.7	9.0	8.6	9.5	7.2	12	6.3	13	3.6
11	2.6	4.0	4.4	7.2	8.6	8.6	9.5	7.2	12	5.8	12	3.6
12	2.6	3.6	4.4	7.2	8.1	9.0	9.5	6.7	9.0	4.4	13	3.3
13	2.6	3.6	4.0	7.2	8.1	8.6	9.0	7.2	16	6.3	11	3.3
14	2.6	3.3	4.9	6.7	8.1	8.1	8.6	6.7	30	5.8	9.0	3.3
15	2.6	4.9	20	6.7	8.1	7.7	8.1	6.7	11	5.4	7.2	3.3
16	2.6	4.9	17	6.7	8.1	7.2	8.1	6.3	11	4.9	6.7	3.3
17	2.6	4.0	8.1	6.7	8.1	11	8.1	5.8	12	4.9	9.6	3.3
18	4.7	4.0	7.2	6.7	7.7	8.6	19	7.7	9.5	4.9	8.6	3.3
19	5.7	3.3	6.7	6.3	9.0	7.7	9.0	11	9.0	4.4	5.8	3.3
20	3.0	8.4	5.8	6.3	9.0	7.7	8.6	15	9.0	9.7	4.4	4.0
21	2.6	4.9	5.8	5.8	8.6	8.1	8.6	15	8.1	6.7	4.4	4.0
22	2.6	4.0	5.8	5.8	8.1	7.7	8.6	14	8.1	5.4	3.6	3.6
23	4.0	3.6	6.3	19	7.7	7.2	8.1	16	9.5	4.9	14	3.3
24	8.1	3.6	5.4	12	7.7	6.7	7.7	13	8.1	4.9	9.0	3.3
25	3.3	3.3	5.4	8.6	7.7	6.7	7.7	25	8.6	4.4	11	3.3
26	24	3.3	4.9	7.7	7.2	6.7	16	11	8.1	4.4	7.2	3.3
27	6.7	3.3	5.4	6.7	7.2	6.7	16	12	7.2	4.4	7.7	3.6
28	6.7	3.3	5.8	6.3	7.7	6.3	19	11	7.7	14	6.7	3.3
29	4.9	3.3	5.4	6.3	---	6.3	10	22	9.6	8.8	6.3	3.3
30	4.4	3.3	4.9	6.3	---	6.3	9.5	8.1	8.6	5.4	6.3	3.3
31	4.0	---	4.9	11	---	7.7	---	7.7	---	5.4	6.3	---
TOTAL	135.0	123.3	207.6	305.1	292.8	263.4	331.1	314.6	374.9	193.6	225.6	117.1
MEAN	4.35	4.11	6.70	9.84	10.5	8.50	11.0	10.1	12.5	6.25	7.28	3.90
MAX	24	8.4	20	55	49	16	25	25	37	14	14	9.0
MIN	2.6	3.3	4.0	5.8	7.2	6.3	6.3	5.8	6.7	4.4	3.6	3.3

CAL YR 1981 TOTAL 2187.8 MEAN 5.99 MAX 28 MIN 2.0
WTR YR 1982 TOTAL 2884.1 MEAN 7.90 MAX 55 MIN 2.6

01309500 MASSAPEQUA CREEK AT MASSAPEQUA, NY--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--May 1966 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	BARO-METRIC PRES-SURE (MM OF HG)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)	HARD-NESS (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)
DEC										
22...	1345	5.8	330	5.9	3.0	--	11.6	--	60	13
MAR										
17...	1245	9.0	250	6.1	7.0	758	11.6	97	53	16
AUG										
27...	1345	7.7	325	6.3	15.0	768	6.6	71	60	19

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)
DEC										
22...	3.7	25	5.7	16	39	31	<.1	8.8	140	5.4
MAR										
17...	3.2	22	3.3	28	31	27	<.1	7.3	127	4.3
AUG										
27...	3.0	23	5.2	35	35	33	<.1	8.3	153	5.2

DATE	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
DEC										
22...	5.50	.020	1.60	.20	7.2	.020	<.010	550	1500	.20
MAR										
17...	4.20	.020	1.20	.20	5.7	.040	<.010	260	1000	.20
AUG										
27...	5.90	.030	1.10	.10	6.4	.020	<.010	780	540	--

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01310000 BELLMORE CREEK AT BELLMORE, NY

LOCATION.--Lat 40°40'43", long 73°30'58", Nassau County, Hydrologic Unit 02030202, on right bank 40 ft (12 m) east of intersection of Valentine Place and Mill Road, in Bellmore, 0.5 mi (0.8 km) north of Sunrise Highway, and 0.5 mi (0.8 km) northwest of Wantagh. Water-quality sampling site at base gage.

DRAINAGE AREA.--About 17 mi² (44 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June to October 1883 (fragmentary), July to October 1903, published in Professional Paper 44, September 1937 to current year. Prior to October 1957, published as Wantagh Stream at Wantagh. October 1957 to October 1967, published as Wantagh Stream at Bellmore.

GAGE.--Base gage (01309950): Water-stage recorder. Concrete control since July 24, 1974. Datum of gage is 15.06 ft (4.590 m) National Geodetic Vertical Datum of 1929. June to October 1883, determination of flow by various methods at different site and datum. July to October 1903, nonrecording gages on two channels near present site at different datum. Sept. 23, 1937, to Aug. 1, 1958, water-stage recorder with concrete control on right bank of present secondary channel about 1,000 ft (305 m) east at datum 1.88 ft (0.573 m) higher (used as supplementary gage since Aug. 1, 1958).

Supplementary gage (01309990): Water-stage recorder with concrete control on right bank of secondary channel about 1,000 ft (305 m) east of base gage at datum of 16.96 ft (5.169 m) National Geodetic Vertical Datum of 1929. Prior to July 28, 1965, at datum 2.00 ft (0.610 m) higher. From July 28, 1965 to Oct. 6, 1965, at datum 1.00 ft (0.305 m) higher.

REMARKS.--Records good. Prior to Nov. 4, 1955, flow at all stages regulated intermittently at outlet of Wantagh Reservoir, 1.0 mi (1.6 km) above station, and prior to November 1953 by Browning Pond, 0.5 mi (0.8 km) above station. Subsequent to Nov. 3, 1955, permanent diversion of a substantial portion of the flow through west branch of Bellmore Creek. Discharge figures given are those of combined flows in main and secondary channels.

AVERAGE DISCHARGE.--45 years (1937-82), 10.4 ft³/s (0.295 m³/s).

EXTREMES FOR PERIOD OF RECORD (1903 and SINCE 1937).--Maximum daily discharge, 162 ft³/s (4.59 m³/s) Sept. 12, 1960; maximum discharge prior to beginning of diversion in November 1955, 340 ft³/s (9.63 m³/s) June 1, 1952, adjusted to include flow bypassing station; maximum gage height, 2.57 ft (0.783 m) June 1, 1952, datum then in use, minimum daily, 0.40 ft³/s (0.011 m³/s) Aug. 31, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 43 ft³/s (1.22 m³/s) Jan. 4; minimum daily, 0.76 ft³/s (0.022 m³/s) Sept. 19.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.3	2.1	4.4	8.8	6.3	5.0	5.5	5.7	4.7	4.6	2.6	1.5
2	1.7	1.8	7.3	4.2	5.0	5.7	4.9	5.9	25	3.3	2.0	2.2
3	1.2	1.8	3.1	3.5	31	4.9	23	5.3	5.5	3.9	1.8	2.1
4	1.2	1.5	3.0	43	9.2	8.2	12	5.1	5.9	3.3	2.0	1.1
5	1.3	1.8	2.6	6.9	7.9	7.9	6.7	4.6	16	3.1	1.8	1.1
6	3.4	3.9	2.6	5.7	8.0	6.0	7.9	4.5	9.8	3.1	1.7	1.0
7	1.9	2.1	3.1	5.5	7.2	11	7.0	4.6	12	2.9	1.5	.93
8	1.6	2.9	3.4	5.1	7.3	7.9	7.0	4.8	7.1	2.7	1.5	.95
9	1.3	1.6	2.7	5.3	7.6	5.7	6.7	4.7	6.3	5.7	1.6	1.4
10	1.3	1.8	2.5	4.7	7.5	5.4	6.8	4.4	6.0	2.8	3.5	1.0
11	1.4	1.8	2.3	4.5	7.1	5.7	6.8	4.3	5.9	2.6	1.8	1.3
12	1.1	1.5	2.5	4.3	7.4	6.0	6.1	4.2	5.8	2.6	2.7	.92
13	1.2	1.7	2.9	4.3	7.9	5.5	6.3	4.7	12	2.4	1.9	1.9
14	1.3	1.8	3.7	4.4	6.3	5.3	5.6	4.4	21	2.4	1.8	1.3
15	1.4	2.5	13	4.1	6.1	5.8	5.4	3.8	8.0	2.3	1.5	.99
16	.92	2.0	7.5	3.9	6.2	5.6	5.8	4.0	8.1	2.7	1.3	1.1
17	.92	1.8	4.3	3.7	5.9	6.8	5.7	4.4	8.9	2.7	2.5	1.8
18	3.6	2.0	4.1	3.3	5.9	5.6	12	4.4	6.9	2.6	2.1	1.5
19	2.0	2.3	3.7	3.2	7.3	5.6	6.2	4.4	6.9	2.2	1.6	.76
20	1.7	4.4	2.9	3.1	6.5	5.6	7.0	6.5	6.4	5.0	1.4	1.1
21	1.8	2.1	2.8	3.1	5.6	6.0	6.3	4.1	5.8	2.9	1.3	1.3
22	1.1	2.0	3.0	3.3	5.2	5.2	5.2	4.8	5.3	2.5	1.2	1.4
23	2.3	1.8	3.2	12	5.0	4.8	5.1	6.3	6.1	2.0	13	.99
24	2.9	1.8	2.5	8.5	4.9	4.9	5.1	6.1	4.9	1.9	6.1	.96
25	2.1	1.7	2.6	5.2	4.8	5.6	4.9	17	4.6	1.9	4.1	1.7
26	12	1.6	2.5	4.7	4.9	5.4	12	5.2	4.2	1.8	2.2	1.5
27	3.9	1.8	3.3	4.4	4.5	5.0	11	4.5	3.8	1.6	2.0	4.0
28	4.1	2.5	2.6	4.1	5.2	4.8	12	4.3	3.4	8.4	1.6	3.3
29	2.2	2.2	2.4	3.8	---	4.8	6.3	18	5.6	4.1	1.4	3.3
30	2.1	2.1	2.8	3.5	---	4.9	5.8	5.3	6.0	2.2	1.5	3.6
31	2.0	---	2.4	4.3	---	6.3	---	4.9	---	2.4	1.5	---
TOTAL	68.24	62.7	111.7	188.4	203.7	182.9	228.1	175.2	237.9	94.6	74.5	48.00
MEAN	2.20	2.09	3.60	6.08	7.28	5.90	7.60	5.65	7.93	3.05	2.40	1.60
MAX	12	4.4	13	43	31	11	23	18	25	8.4	13	4.0
MIN	.92	1.5	2.3	3.1	4.5	4.8	4.9	3.8	3.4	1.6	1.2	.76

CAL YR 1981 TOTAL 1698.87 MEAN 4.65 MAX 23 MIN .40
WTR YR 1982 TOTAL 1675.94 MEAN 4.59 MAX 43 MIN .76

01310000 BELLMORE CREEK AT BELLMORE, NY--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--01309950 (Base gage): April 1966 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	BAROMETRIC PRESSURE (MM OF HG)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)	HARDNESS (MG/L AS CACO3)	CALCIUM DISSOLVED (MG/L AS CA)
DEC 21...	1415	2.1	325	6.2	2.5	--	13.2	--	64	20
MAR 17...	1130	3.7	316	6.2	7.5	758	10.5	87	54	20
AUG 27...	1300	1.7	330	6.5	20.5	768	7.1	80	55	18

DATE	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)
DEC 21...	3.4	31	4.2	23	40	43	<.1	8.8	164	5.3
MAR 17...	3.4	34	3.6	23	36	42	<.1	9.1	161	4.2
AUG 27...	3.1	30	3.6	31	34	47	<.1	4.9	159	4.2

DATE	NITROGEN, NITRATE DISSOLVED (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
DEC 21...	5.40	.030	1.70	.10	7.1	.010	<.010	290	1200	.10
MAR 17...	4.30	.030	1.20	.20	5.6	.020	<.010	240	1000	.10
AUG 27...	3.20	.060	.540	.26	5.1	.020	<.010	230	40	--

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01310500 EAST MEADOW BROOK AT FREEPORT, NY

LOCATION.--Lat 40°39'56", long 73°34'13", Nassau County, Hydrologic Unit 02030202, on right bank 24 ft (7 m) upstream from bridge on Hempstead-Babylon Turnpike and 400 ft (122 m) west of Meadowbrook Parkway, in Freeport. Water-quality sampling site at discharge station.

DRAINAGE AREA.--About 31 mi² (80 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1851 to December 1852, June to October 1883, September and October 1885 (fragmentary), June to October 1903, published in Professional Paper 44, January 1937 to current year (monthly means estimated November 1962 to December 1963).

REVISED RECORDS.--WRD NY 1972: 1967-71 (P). WRD NY 1977: 1973-76 (P).

GAGE.--Water-stage recorder and concrete control. Datum of gage is 10.45 ft (3.185 m) National Geodetic Vertical Datum of 1929. Prior to October 1885, determinations of flow by various methods at different site and datum. June to October 1903, weir in swamp at head of Brooklyn waterworks supply pond. January 1937 to November 1962, water-stage recorder and concrete control at site 81 ft (25 m) east at datum 0.47 ft (0.143 m) higher.

REMARKS.--Records good.

AVERAGE DISCHARGE.--45 years (1937-82), 14.7 ft³/s (0.416 m³/s).

EXTREMES FOR PERIOD OF RECORD (1903 AND SINCE 1937).--Maximum discharge, 848 ft³/s (24.0 m³/s) July 29, 1980, gage height, 3.57 ft (1.088 m) maximum gage height, 4.38 ft (1.335 m) Sept. 12, 1960 (datum then in use); no flow Aug. 26, 1971.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 250 ft³/s (7.08 m³/s) and maximum (*):

Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)
Jan. 4	1400	268	7.59	1.79	0.546
Feb. 3	0545	268	7.59	1.79	0.546
Apr. 3	2245	286	8.10	1.86	0.567
May 29	0900	*299	8.47	*1.91	0.582

Minimum recorded, 1.3 ft³/s (0.037 m³/s) Oct. 1, 3, 4, 12, 13, gage height, 0.19 (0.058 m), but may have been less during period of no gage-height record Oct. 14-16.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.5	2.7	4.2	18	38	4.3	13	8.2	7.7	6.4	3.6	2.7
2	1.9	2.6	24	5.8	8.0	4.3	7.0	7.6	52	5.9	3.3	8.4
3	1.5	2.4	4.4	4.0	102	4.0	46	7.1	9.3	6.9	3.0	9.6
4	1.5	2.4	3.6	105	16	11	45	6.6	7.4	7.9	3.0	3.3
5	1.5	2.4	3.3	14	12	23	11	6.1	33	5.9	3.0	2.7
6	3.6	5.8	2.8	7.7	10	8.4	12	5.7	18	5.9	3.0	2.7
7	3.0	2.9	2.6	6.3	9.2	21	11	5.1	32	5.5	3.0	2.4
8	1.7	2.5	4.3	5.3	8.2	10	12	4.7	10	7.9	2.7	2.2
9	1.7	2.4	3.5	5.1	7.4	6.4	9.8	4.7	8.5	9.0	4.7	2.2
10	1.5	2.4	2.9	4.8	7.4	5.5	9.5	4.3	7.6	5.5	15	2.2
11	1.5	2.4	2.7	4.4	6.3	5.1	10	4.3	7.2	5.1	4.3	1.9
12	1.5	2.4	2.6	4.3	5.9	5.5	9.4	4.0	6.7	5.1	6.4	1.9
13	1.3	2.2	2.5	4.3	5.9	5.5	8.5	4.7	24	4.7	3.6	1.7
14	1.5	2.3	2.9	4.3	5.5	5.1	7.9	4.0	56	4.3	3.3	1.9
15	1.5	3.2	38	4.0	5.5	4.7	7.4	4.0	11	4.0	3.0	1.9
16	1.7	2.9	30	4.0	5.5	5.9	7.2	3.6	11	4.0	3.0	1.9
17	1.7	2.5	6.5	4.3	5.1	13	7.5	3.6	22	3.6	7.8	1.9
18	2.7	2.4	4.5	4.1	5.2	5.9	26	3.3	9.0	3.3	6.4	1.7
19	2.7	2.2	3.9	4.0	8.1	4.7	8.4	3.6	9.0	4.0	3.6	1.7
20	1.7	8.7	3.6	3.8	7.4	4.3	7.7	4.3	8.4	29	3.3	2.4
21	1.5	4.2	3.3	3.6	5.7	4.7	7.3	5.5	8.4	6.9	2.7	2.2
22	1.7	2.8	3.3	3.6	5.3	5.1	7.2	3.6	7.9	4.3	2.4	1.9
23	2.4	2.5	3.5	42	5.1	4.3	7.1	5.9	9.0	3.6	37	1.9
24	7.4	2.4	3.0	19	4.8	4.3	6.8	9.4	7.4	4.0	11	1.7
25	2.7	2.3	3.0	6.7	4.6	4.3	6.2	30	6.4	3.3	22	1.9
26	30	2.2	3.0	5.3	4.3	4.3	32	6.7	6.4	3.0	5.5	1.7
27	6.4	2.3	3.4	4.5	4.3	4.2	31	5.3	5.9	3.0	4.0	3.0
28	28	2.1	3.3	4.3	4.0	4.0	31	5.1	5.9	48	3.6	2.2
29	3.9	1.9	2.9	4.0	---	5.1	10	74	13	17	3.0	2.2
30	3.1	1.9	2.7	4.2	---	7.5	8.7	12	10	5.1	2.7	2.2
31	2.8	---	2.7	15	---	12	---	8.9	---	4.3	2.7	---
TOTAL	129.1	84.3	137.2	329.7	316.7	217.4	423.6	265.9	430.1	236.4	185.6	78.2
MEAN	4.16	2.81	6.04	10.6	11.3	7.01	14.1	8.58	14.3	7.63	5.99	2.61
MAX	30	8.7	33	105	102	23	46	74	56	48	37	9.6
MIN	1.3	1.9	2.5	3.6	4.0	4.0	6.2	3.3	5.9	3.0	2.4	1.7

CAL YR 1981 TOTAL 1916.47 MEAN 5.25 MAX 93 MIN .73
WTR YR 1982 TOTAL 2884.20 MEAN 7.90 MAX 105 MIN 1.3

01310500 EAST MEADOW BROOK AT FREEPORT, NY--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--April 1966 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	BARO-METRIC PRES-SURE (MM OF HG)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)	HARD-NESS (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)
DEC 21...	1245	3.3	520	6.1	5.0	--	8.3	--	62	18
MAR 17...	1015	11	340	7.0	7.0	758	10.6	67	51	15
AUG 27...	1105	4.0	352	6.4	19.0	768	5.3	58	60	17

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)
DEC 21...	4.1	69	2.8	26	34	94	<.1	6.6	245	2.4
MAR 17...	3.4	61	2.3	26	23	70	<.1	5.7	196	2.7
AUG 27...	4.2	39	2.2	35	23	61	<.1	5.9	174	1.8

DATE	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
DEC 21...	2.30	.020	.600	.29	3.3	<.010	<.010	660	670	.10
MAR 17...	2.70	.030	.300	.33	3.3	.070	.020	430	300	.10
AUG 27...	1.80	.040	.340	.36	2.5	.030	<.010	570	360	--

01311000 PINES BROOK AT MALVERNE, NY

LOCATION.--Lat 40°39'59", long 73°39'35", Nassau County, Hydrologic Unit 02030202, on left bank 300 ft (91 m) downstream from Lakeview Avenue and southern boundary of Malverne. Water-quality sampling site at discharge station.

DRAINAGE AREA.--About 10 mi² (26 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--1851-52, 1856-57, 1885, 1894 (fragmentary in Professional Paper 44); December 1936 to current year (monthly means estimated March to September 1970).

REVISED RECORDS.--WSP 1432: 1937, 1940.

GAGE.--Water-stage recorder with steel plate V-notch weir and concrete controls. Datum of gage is 7.11 ft (2.167 m) National Geodetic Vertical Datum of 1929 (Nassau County Bench mark). Prior to 1894, determinations of flow by various methods, at different sites and datums. December 1936 to Oct. 1, 1970, at site 200 ft (61 m) upstream at datum 2.31 ft (0.704 m) higher. Oct. 1, 1970 to May 31, 1972, supplementary gage on secondary channel 10 ft (3 m) downstream at same datum.

REMARKS.--Records good except those for period of no gage-height record, which are poor. Prior to Feb. 20, 1956, flow occasionally regulated by Pines Pond. Indeterminate diversion from Pines Pond for emergency municipal water supply for City of New York, August 1953 to September 1954.

AVERAGE DISCHARGE.--45 years (1937-82), 3.80 ft³/s (0.108 m³/s).

EXTREMES FOR PERIOD OF RECORD (SINCE 1936).--Maximum discharge, 386 ft³/s (10.9 m³/s) Jan. 18, 1978, gage height, 4.53 ft (1.381 m); no flow part of Sept. 12, 1963, and at times from 1964 to 1975, 1977, 1980-82.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 200 ft³/s (5.66 m³/s) (revised) and maximum (*):

Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)
Jan. 4	1230	203	5.75	4.00	1.22
Apr. 3	2030	231	6.54	4.09	1.25
May 29	0630	*351	9.94	*4.44	1.35

No flow for all or part of many days during the year.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	2.8	7.9	10	.12	.20	.22	1.3	.19	.00	.00
2	.00	.00	8.4	.05	.15	.13	.13	.22	17	.18	.00	.20
3	.00	.00	.02	.03	45	.13	32	.19	.31	.25	.00	.30
4	.00	.00	.00	54	.22	8.0	3.7	.19	.26	.21	.00	.00
5	.00	.00	.00	.18	.19	.80	.22	.17	10	.18	.00	.00
6	.35	3.1	.00	.13	.18	.80	.29	.17	4.6	.17	.00	.00
7	.05	.02	.00	.12	.17	9.9	.27	.17	8.8	.17	.00	.00
8	.00	.00	.08	.10	.18	1.3	.28	.17	.35	.17	.00	.00
9	.00	.01	.04	.10	.23	1.2	.21	.17	.32	1.1	.05	.00
10	.00	.00	.00	.09	.17	1.2	.24	.17	.29	.15	2.0	.00
11	.00	.00	.00	.09	.15	1.5	.22	.15	.27	.13	.30	.00
12	.00	.05	.00	.09	.16	2.0	.23	.15	.25	.07	.05	.00
13	.00	.04	.00	.09	.15	.50	.26	.22	14	.05	.02	.00
14	.00	.00	.06	.09	.15	.20	.23	.15	16	.03	.00	.00
15	.00	.02	27	.09	.15	.15	.25	.13	.45	.03	.00	.00
16	.00	.04	5.8	.09	.15	.50	.22	.15	.52	.03	.00	.00
17	.00	.09	.06	.08	.13	3.0	.26	.15	4.5	.02	50	.00
18	.20	.03	.04	.08	.14	.50	5.2	.15	.34	.02	.05	.00
19	.25	.00	.03	.08	.29	.20	.26	.09	.37	.02	.02	.00
20	.00	4.9	.03	.11	.15	.15	.21	.22	.30	5.0	.01	.03
21	.00	.03	.00	.13	.15	.20	.21	.15	.29	.20	.00	.00
22	.00	.00	.00	.13	.14	.30	.20	.11	.31	.05	.00	.00
23	.07	.00	.05	10	.13	.20	.20	.59	.28	.03	7.0	.00
24	2.3	.00	.00	1.0	.13	.15	.19	.27	.24	.02	1.0	.00
25	.02	.00	.00	.22	.12	.13	.19	14	.24	.01	4.0	.00
26	14	.00	.00	.22	.12	.10	23	.28	.24	.00	.10	.00
27	10	.00	.16	.20	.13	.10	4.2	.26	.22	.00	.00	.05
28	8.2	.00	.06	.15	.11	.10	3.5	.83	.22	10	.00	.00
29	.04	.00	.00	.10	---	.10	.24	48	1.8	.03	.00	.00
30	.03	.00	.00	.10	---	.15	.24	1.4	.31	.00	.00	.00
31	.02	---	.00	.15	---	.18	---	1.8	---	.00	.00	---
TOTAL	35.53	8.33	44.63	75.99	59.14	33.99	77.05	71.09	84.38	18.51	15.10	.58
MEAN	1.15	.28	1.44	2.45	2.11	1.10	2.57	2.29	2.81	.60	.49	.019
MAX	14	4.9	27	54	45	9.9	32	48	17	10	7.0	.30
MIN	.00	.00	.00	.03	.11	.10	.13	.09	.22	.00	.00	.00

CAL YR 1981 TOTAL 331.76 MEAN .91 MAX 61 MIN .00
WTR YR 1982 TOTAL 524.32 MEAN 1.44 MAX 54 MIN .00

Note.--No gage-height record July 12 to Sept. 30.

01311000 PINES BROOK AT MALVERNE, NY--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--May 1966 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	BARO-METRIC PRES-SURE (MM OF HG)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)	HARD-NESS (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)
MAR 15...	1315	.15	290	6.9	6.0	768	12.5	99	85	24
AUG 27...	1015	<.01	132	7.9	19.0	768	7.7	63	40	13

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)
MAR 15...	6.0	25	3.4	54	39	25	<.1	7.4	162	1.6
AUG 27...	1.9	7.0	2.0	35	10	9.3	<.1	4.0	68	--

DATE	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
MAR 15...	1.60	.030	.070	.25	2.1	.040	.020	820	560	.10
AUG 27...	--	<.010	.060	.44	1.1	.060	.020	260	20	--

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01311500 VALLEY STREAM AT VALLEY STREAM, NY

LOCATION.--Lat 40°39'49", long 73°42'18", Nassau County, Hydrologic Unit 02030202, on right bank 40 ft (12 m) upstream from West Valley Stream Boulevard in Valley Stream.

DRAINAGE AREA.--About 4.5 mi^2 (12 km^2).

PERIOD OF RECORD.--1851-52, 1854, 1856-57, 1885, 1894 (fragmentary in Professional Paper 44), July 1954 to current year. Prior to October 1956, published as Watts Creek at Valley Stream.

REVISED RECORDS.--WRD NY 1971: 1962-63(M), 1966-69(M).

GAGE.--Water-stage recorder and concrete control. Datum of gage is 7.49 ft (2.283 m) National Geodetic Vertical Datum of 1929. Prior to 1894, determinations of flow by various methods, at different sites and datums. July 1954 to July 16, 1964 at same site at datum 1.0 ft (0.30 m) higher.

REMARKS.--Records good except those above 110 ft^3/s (3.12 m^3/s), which are fair. Flow regulated occasionally by cleaning operations at outlet of Valley Stream Pond above station.

AVERAGE DISCHARGE.--28 years (1954-82), 2.42 ft^3/s (0.069 m^3/s).

EXTREMES FOR PERIOD OF RECORD (SINCE 1954).--Maximum discharge, 290 ft^3/s (8.21 m^3/s) Jan. 21, 1979, gage height, 5.62 ft (1.713 m), from rating curve extended above 110 ft^3/s (3.12 m^3/s); no flow at times each year since 1963.

EXTREMES FOR CURRENT YEAR.--Maximum discharge recorded, 174 ft^3/s (4.93 m^3/s) June 14, gage height, 3.17 ft (0.966 m), from rating curve extended above 110 ft^3/s (3.12 m^3/s), but may have been higher during period of no gage-height record; no flow for all or part of many days during year.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	.00	2.0	.00	.00	.00	.00	.00	.00	.00
2	.00	.00	.00	.00	.00	.00	.00	.00	10	.00	.00	.00
3	.00	.00	.00	.00	26	.00	1.7	.00	.10	.00	.00	.00
4	.00	.00	.00	20	.24	.00	4.4	.00	.00	.00	.00	.00
5	.00	.00	.00	.28	.00	.00	.00	.00	5.0	.00	.00	.00
6	.00	.00	.00	.00	.00	.00	.00	.00	.50	.00	.00	.00
7	.00	.00	.00	.00	.00	.00	.00	.00	5.0	.00	.00	.00
8	.00	.00	.00	.00	.00	.00	.00	.00	.10	.00	.00	.00
9	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
10	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.00
11	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
12	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
13	.00	.00	.00	.00	.00	.00	.00	.00	4.6	.00	.00	.00
14	.00	.00	.00	.00	.00	.00	.00	.00	38	.00	.00	.00
15	.00	.00	.02	.00	.00	.00	.00	.00	.07	.00	.00	.00
16	.00	.00	1.2	.00	.00	.00	.00	.00	.00	.00	.00	.00
17	.00	.00	.00	.00	.00	.00	.00	.00	.68	.00	.00	.00
18	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
19	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
20	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
21	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
22	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
23	.00	.00	.00	2.0	.00	.00	.00	.00	.00	.00	.00	.00
24	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.3	.00
25	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.11	.00
26	.07	.00	.00	.00	.00	.00	.76	.00	.00	.00	.34	.00
27	.07	.00	.00	.00	.00	.00	2.5	.00	.00	.00	.00	.00
28	.00	.00	.00	.00	.00	.00	1.3	.00	.00	.00	.00	.00
29	.00	.00	.00	.00	---	.00	.00	30	.00	.00	.00	.00
30	.00	.00	.00	.00	---	.00	.00	.10	.00	.00	.00	.00
31	.00	---	.00	.00	---	.00	---	.00	---	.00	.00	---
TOTAL	.14	.00	1.22	22.28	28.24	.00	10.66	30.10	64.05	.00	1.77	.00
MEAN	.005	.000	.039	.72	1.01	.000	.36	.97	2.14	.000	.057	.000
MAX	.07	.00	1.2	20	26	.00	4.4	30	38	.00	1.3	.00
MIN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

CAL YR 1981 TOTAL 22.25 MEAN .061 MAX 15 MIN .00
WTR YR 1982 TOTAL 158.46 MEAN .43 MAX 38 MIN .00

Note.--No gage-height record May 29 to June 6.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

As the number of streams on which streamflow information is likely to be desired far exceeds the number of stream-gaging stations feasible to operate at one time, the Geological Survey collects limited streamflow data at sites other than stream gaging stations. When limited streamflow data are collected on a systematic basis over a period of years for use in hydrologic analyses, the site at which the data are collected is called a partial-record station. Data collected at these partial-record stations are usable in low-flow or floodflow analyses, depending on the type of data collected. In addition, discharge measurements are made at other sites not included in the partial record program. These measurements are generally made in times of drought or flood to give better areal coverage to those events. Those measurements and others collected for some special reason are called measurements at miscellaneous sites.

Low-flow partial-record stations

Measurements of streamflow in the area covered by this report made at low-flow partial-record stations are given in the following table. Most of these measurements were made during periods of base flow when streamflow is primarily from ground-water storage. These measurements, when correlated with the simultaneous discharge of a nearby stream where continuous records are available, give a picture of the low-flow potentiality of the stream. The column headed "Period of record" shows the water years in which measurements were made at the same, or practically the same, site. Where "Drainage area" column is blank, drainage area was not available at time of publication.

Discharge measurements made at low-flow partial-record stations during water year 1982

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Measurements	
					Date	Discharge (ft^3/s)
		Streams on Long Island				
01302200	Whitney Lake Outlet at Manhasset, N.Y.	Lat 40°47'30", long 73°42'32", Nassau County, at bridge on Creek Road, at Manhasset, 0.25 mi (0.40 km) northwest of State Highway 25A.	--	1953-82	12- 1-81	.29
01302300	Roslyn Brook at Roslyn, N.Y.	Lat 40°47'55", long 73°38'51", Nassau County, at Roslyn, 200 ft (61 m) downstream from dam in Roslyn Park.	--	1953-82	12- 1-81	.29
01302800	Island Swamp Brook at Lattingtown, N.Y.	Lat 40°53'25", long 73°37'10", Nassau County, at bridge on Lattingtown Road, 0.3 mi (0.5 km) southwest of Lattingtown, and 1.5 mi (2.4 km) northwest of Locust Valley.	--	1953-82	12- 1-81	.31
01303600	Mill Creek near Huntington, N.Y.	Lat 40°52'56", long 73°25'17", Suffolk County, at culvert on Creek Road, 300 ft (91 m) west on New York Ave., 1 mi (2 km) northeast of Huntington.	--	1953-82	12- 1-81 5- 5-82 7-20-82	3.0 1.0 2.9
01303700	Stony Hollow Run at Centerport, N.Y.	Lat 40°53'05", long 73°21'41", Suffolk County, at culvert on State Highway 25A, 0.25 mi (0.40 km) east of Centerport, and 1.5 mi (2.4 km) southwest of Northport.	--	1953-82	12- 1-81 5- 5-82 7-20-82	.44 .46 .34
01303742	Fresh Pond Outlet at Fort Salonga, N.Y.	Lat 40°55'26", long 73°17'43", Suffolk County, 200 ft (61 m) downstream from Fresh Pond outlet, 0.75 mi (1.21 km) north of Fort Salonga.	--	1977-82	12- 3-81 4-20-82 7-19-82	1.4 1.2 1.2
01303790	Northeast Branch Nissequogue River near East Hauppauge, N.Y.	Lat 40°50'27", long 73°10'41", Suffolk County, at culvert on State Highway 347, 1.5 mi (2.4 km) northwest of East Hauppauge, and 4.0 mi (6.4 km) upstream from gaging station near Smithtown.	--	1972-82	1-27-82 4-20-82 7-19-82 9-10-82	.38 .51 .07 .05
01303800	Northeast Branch Nissequogue River at Smithtown, N.Y.	Lat 40°51'05", long 73°11'15", Suffolk County, 300 ft (91 m) upstream from culvert on State Highway 111, 0.75 mi (1.21 km) southeast of Smithtown, and 3.0 mi (4.8 km) upstream from gaging station near Smithtown.	--	1948-49 1951-76 1979-82	1-27-82 4-20-82 7-19-82 9-10-82	.29 2.7 2.3 .78
01303850	Northeast Branch Nissequogue River near Hauppauge, N.Y.	Lat 40°50'43", long 73°11'50", Suffolk County, at culvert on Maple Avenue, 0.75 mi (1.21 km) south of Smithtown, and 2.5 mi (4.0 km) upstream from gaging station near Smithtown.	--	1972-82	1-27-82 9-10-82	1.4 1.6

Discharge measurements made at low-flow partial-record stations during water year 1982--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Measurements	
					Date	Discharge (ft^3/s)
		Streams on Long Island				
01303900	Northeast Branch Nissequogue River near Smithtown, N.Y.	Lat 40°50'45", long 73°12'29", Suffolk County, 10 ft upstream from culvert at Brooksite Drive, 0.75 mi (1.21 km) southwest of Smithtown, and 2.0 mi (3.2 km) upstream from gaging station near Smithtown.	--	1953-82	1-27-82	3.0
					4-20-82	3.6
					7-19-82	3.9
					9-10-82	3.5
01303941	Nissequogue River near Hauppauge, N.Y.	Lat 40°50'30", long 73°13'43", Suffolk County, 30 ft (9 m) downstream from dam at New Mill Road, 2 mi (3 km) northwest of Hauppauge, and 0.5 mi (0.8 km) upstream from gaging station near Smithtown.	--	1972-82	1-27-82	9.6
					4-20-82	14
					7-19-82	9.7
					9-10-82	8.1
01304010	Nissequogue River at Smithtown, N.Y.	Lat 40°51'48", long 73°12'05", Suffolk County, at culvert on Landing Ave., at Smithtown, and 1.5 mi (2.4 km) downstream from gaging station near Smithtown.	--	1974-82	1-27-82	26
					4-20-82	20
					7-19-82	26
01304051	Stony Brook at Stony Brook, N.Y.	Lat 40°54'53", long 73°08'52", Suffolk County, 100 ft (30 m) downstream from Harbor Road, at Stony Brook.	--	1977-82	10- 1-81	1.5
					12- 3-81	1.5
					4-20-82	1.1
					7-27-82	2.0
					9-17-82	1.0
01304060	Unnamed tributary to Conscience Bay at Setauket, N.Y.	Lat 40°56'49", long 73°07'01", Suffolk County, 30 ft (9 m) downstream from pond below Old Field Road, at Setauket.	--	1977-82	10- 1-81	1.3
					12- 3-81	.86
					4-20-82	1.0
					7-27-82	1.3
					9-17-82	.37
01304065	Unnamed tributary to Setauket Harbor at East Setauket, N.Y.	Lat 40°56'35", long 73°06'08", Suffolk County, at culvert on State Highway 25A, at East Setauket.	--	1977-82	10- 1-81	.21
					12- 3-81	.26
					4-20-82	.19
					7-27-82	.17
					9-17-82	.10
01304070	Unnamed tributary to Port Jefferson Harbor at Port Jefferson, N.Y.	Lat 40°56'41", long 73°04'18", Suffolk County, at culvert on Barnum Ave., at Port Jefferson.	--	1977-82	10- 1-81	.08
					12- 3-81	.05
					4-20-82	.17
					7-27-82	.14
					9-17-82	.17
01304100	Wading River at Wading River, N.Y.	Lat 40°57'20", long 72°51'19", Suffolk County, at pond outlet, 0.25 mi (0.40 km) west of Wading River.	--	1953-62 1964-82	12- 3-81	.23
					5- 5-82	.24
					7-20-82	.19
01304150	Fresh Pond Outlet, at Baiting Hollow, N.Y.	Lat 40°57'43", long 72°46'17", Suffolk County, 25 ft (8 m) downstream from dirt road at outlet of Fresh Pond, 0.7 mi (1.1 km) northwest of Baiting Hollow.	--	1977-82	10- 1-81	1.1
					12- 3-81	.29
					7-22-82	.50
					9- 9-82	.43
01304400	Peconic River at Manorville, N.Y.	Lat 40°52'38", long 72°49'42", Suffolk County, at bridge on Schultz Road, 1 mi (2 km) northwest of Manorville, and 8.5 mi (13.7 km) upstream from gaging station at Riverhead.	--	1953-62 1951-82	12-10-81	.59
					4-21-82	3.0
					7-20-82	1.8
01304510	Peconic River at Nugent Drive, at Riverhead, N.Y.	Lat 40°55'03", long 72°40'11", Suffolk County, at bridge on Nugent Drive, at Riverhead, and 1.4 mi (2.3 km) downstream from gaging station at Riverhead.	--	1976-82	12-10-81	28
					4-21-82	35
01304530	Little River near Riverhead, N.Y.	Lat 40°53'52", long 72°40'30", Suffolk County, at Wildwood Lake outlet, 500 ft (152 m) east of Moriches-Riverhead Road, 1.5 mi (2.4 km) southwest of Riverhead.	--	1952-82	12- 7-81	4.9
					4-19-82	3.3
					7-22-82	4.1
					9- 9-82	4.2
01304560	White Brook at Riverhead, N.Y.	Lat 40°54'40", long 72°38'37", Suffolk County, at culvert on State Highway 24, 1 mi (2 km) southeast of Riverhead.	--	1953-69 1973-82	12- 7-81	1.2
					4-19-82	1.7
					7-22-82	.88
					9- 9-82	.89

Discharge measurements made at low-flow partial-record stations during water year 1982 -Continued

Station No.	Station name	Location	Drainage area (mi²)	Period of record	Measurements	
					Date	Discharge (ft³/s)
		Streams on Long Island				
01304600	Big Fresh Pond Outlet at North Sea, N.Y.	Lat 40°55'49", long 72°25'04", Suffolk County, at culvert on Noyack Road, at North Sea, 3.5 mi (5.6 km) northwest of Southampton.	--	1951-69 1971-82	10- 5-81	.06
					12-10-81	.16
					4-19-82	.65
					7-26-82	.56
					9- 9-82	1.3
01304630	Mill Creek at Noyack, N.Y.	Lat 40°59'35", long 72°21'00", Suffolk County, 50 ft (15 m) upstream from culvert on Noyack Road, 0.25 mi (0.40 km) west of Noyack.	--	1958-82	10- 5-81	.22
					12-10-81	.62
					4-19-82	.29
					7-26-82	.62
					9- 9-82	.96
01304660	Ligonee Brook at Sag Harbor, N.Y.	Lat 40°59'21", long 72°18'12", Suffolk County, at culvert on Brick Kiln Road, 0.75 mi (1.21 km) southwest of Sag Harbor.	--	1953-69 1973-82	12-10-81	.01
					4-15-82	.03
					7-26-82	.07
					9-9-82	.04
01304730	Poxabogue Pond at Sagaponack, N.Y.	Lat 40°55'48", long 72°17'16", Suffolk County, at culvert on Sagg St., at Sagaponack, and 1 mi (2 km) southeast of Bridgehampton.	--	1953-78 1980-82	10- 1-81	.89
					12-10-81	.67
					7-26-82	2.4
01304745	Weesuck Creek at East Quogue, N.Y.	Lat 40°50'52", long 72°34'42", Suffolk County, at culvert on State Highway 27A, 0.5 mi (0.8 km) northeast of East Quogue.	--	1974-82	10- 5-81	1.0
					12- 7-81	.86
					4-19-82	.40
					7-26-82	.93
					9- 9-82	.88
01304760	Quantuck Creek at Quogue, N.Y.	Lat 40°49'57", long 72°37'06", Suffolk County, at culvert in Old Meeting House Road, 1 mi (2 km) northwest of Quogue.	--	1953-69 1974-82	10- 5-81	.88
					12- 7-81	.18
					4-19-82	1.6
					7-26-82	1.4
					9- 8-82	1.1
01304780	Aspatuck Creek near Westhampton Beach, N.Y.	Lat 40°49'04", long 72°38'13", Suffolk County, at culvert on Brook Road, at Westhampton Beach.	--	1959-82	10- 6-81	.17
					12- 7-81	.63
					4-16-82	.60
					7-26-82	1.7
					9- 8-82	1.2
01304800	Beaverdam Creek at Westhampton Beach, N.Y.	Lat 40°49'23", long 72°39'42", Suffolk County, at culvert on Old Country Road, 100 ft (30 m) northwest of State Highway 27A, and 1 mi (2 km) northwest of Westhampton.	--	1953-82	10- 5-81	.90
					12- 7-81	.90
					4-16-82	1.4
					7-22-82	2.1
					9- 8-82	1.1
01304820	Speonk River at Speonk, N.Y.	Lat 40°49'06", long 72°41'29", Suffolk County, at culvert on State Highway 27A, 0.75 mi (1.21 km) east of Speonk.	--	1974-82	10- 6-81	.21
					12- 7-81	.08
					3- 4-82	.26
					4-16-82	.20
					7-22-82	.06
					9- 8-82	.06
01304830	East River at Eastport, N.Y.	Lat 40°49'24", long 72°43'02", Suffolk County, 15 ft (5 m) upstream from culvert on Long Island Railroad, 200 ft (60 m) south of State Highway 27A, 0.5 mi (0.8 km) east of Eastport.	--	1953-69 1973-82	10- 6-81	.83
					12- 7-81	.91
					3- 4-82	1.5
					4-16-82	.76
					9- 8-82	1.0
01304860	Seatuck Creek at Eastport, N.Y.	Lat 40°49'30", long 72°43'43", Suffolk County, 15 ft (5 m) downstream from culvert on State Highway 27A, at Eastport.	--	1953-82	10- 6-81	1.7
					12- 7-81	2.0
					3- 4-82	5.4
					4-16-82	2.3
					7-22-82	2.2
					9- 8-82	2.4
01304900	Little Seatuck Creek at Eastport, N.Y.	Lat 40°49'12", long 72°44'23", Suffolk County, at culvert on Moriches Blvd., 0.75 mi (1.21 km) southwest of Eastport.	--	1955-69 1974-82	10- 6-81	3.1
					12- 7-81	1.7
					3- 4-82	2.6
					4-16-82	2.5
					7-22-82	.75
					9- 8-82	1.0
01304960	Forge River at Moriches, N.Y.	Lat 40°48'22", long 72°50'00", Suffolk County, at culvert on State Highway 27A, at Moriches.	--	1948-50 1952-82	10- 6-81	4.9
					12-10-81	1.8
					3- 4-82	2.8
					4-16-82	3.9
					7-22-82	4.6
					9- 7-82	2.9

Discharge measurements made at low-flow partial-record stations during water year 1982--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Measurements	
					Date	Discharge (ft^3/s)
		Streams on Long Island				
01304990	Carmans River at Middle Island, N.Y.	Lat 40°51'47", long 72°56'35", Suffolk County, at culvert on East Bartlett Road, 0.75 mi (1.21 km) south of Middle Island, and 3.0 mi (4.8 km) upstream from gaging station at Yaphank.	--	1947-82	4- 3-82 7-30-82 9-14-82	.25 1.7 .84
01304995	Carmans River near Yaphank, N.Y.	Lat 40°50'29", long 72°56'13", Suffolk County, 25 ft downstream from Mill Road, 1.2 mi (1.9 km) northwest of Yaphank, and 1.9 mi (3.1 km) upstream from gaging station at Yaphank.	--	1973-82	4-13-82 7-30-82 9-14-82	8.6 11 13
01304998	Carmans River, below Lower Lake, at Yaphank, N.Y.	Lat 40°50'07", long 72°55'01", Suffolk County, at culvert on Yaphank Avenue, at Yaphank, and 0.7 mi (1.1 km) upstream from gaging station at Yaphank.	--	1973-82	4-13-82 7-30-82 9-14-82	8.1 15 13
01305040	Carmans River at South Haven, N.Y.	Lat 40°48'09", long 72°53'09", Suffolk County, 50 ft (15 m) upstream from culvert on State Highway 27, at South Haven, and 2.6 mi (4.2 km) downstream from gaging station at Yaphank.	--	1973-82	4-13-82 7-30-82 9-14-82	57 73 60
01305300	Mud Creek at East Patchogue, N.Y.	Lat 40°45'47", long 72°58'59", Suffolk County, at culvert on South Country Road, at East Patchogue, 2 mi (3 km) east of Patchogue.	--	1947-69 1971-82	3- 3-82 7-22-82 9- 7-82	3.0 2.3 3.1
01305800	Patchogue River near Patchogue, N.Y.	Lat 40°46'55", long 73°01'19", Suffolk County, at bridge on discontinued road, 300 ft (91 m) west of North Ocean Ave., and 1 mi (2 km) north of State Highway 27A and gaging station at Patchogue.	--	1945-50 1952-82	12- 7-81 3- 3-82 6- 4-82 9- 9-82	4.3 8.8 13 8.2
01306000c/	Patchogue River at Patchogue, N.Y.	Lat 40°45'56", long 73°01'16", Suffolk County, at State Highway 27A, at Patchogue.	--	1946-69‡ 1970-73 1974-76‡ 1977-82	3- 3-82 6- 4-82 9- 9-82	12 16 16
01306400	Green Creek at West Sayville, N.Y.	Lat 40°43'51", long 73°05'32", Suffolk County, 30 ft (9 m) upstream from State Highway 27A at West Sayville.	--	1953-82	3- 3-82 9- 7-82	3.3 5.9
01306405	Lake Ronkonkoma Inlet at Lake Ronkonkoma, N.Y.	Lat 40°49'57", long 73°07'34", Suffolk County, 300 ft (91 m) southeast of Smithtown Blvd., 0.2 mi (0.3 km) west of Lake Ronkonkoma.	--	1948-49 1953-54 1977-79 1981-82	12- 3-82 3- 4-82 6- 4-82 9- 7-82	1.9 .95 2.0 1.3
01306470	Connetquot Brook near Oakdale, N.Y.	Lat 40°45'47", long 73°09'10", Suffolk County, 100 ft (30 m) downstream from fish hatchery, and 1.1 mi (1.8 km) upstream from gaging station 01306499.	--	1968 1973-82	3- 4-82	12
01306700	Rattlesnake Brook near Oakdale, N.Y.	Lat 40°44'52", long 73°08'45", Suffolk County, 50 ft (15 m) downstream from State Highway 27, 1.5 mi (2.4 km) northwest of Oakdale.	--	1944-69 1971-82	3- 2-82 6-24-82 9- 7-82	26 28 13
01307000c/	Champlin Creek at Islip, N.Y.	Lat 40°44'13", long 73°12'08", Suffolk County, at Long Island Railroad bridge, 220 ft (67 m) downstream from Moffitt Boulevard, at Islip.	--	1948-69‡ 1970-82	1- 7-82 3- 3-82 6- 4-82 9-10-82	5.6 3.7 4.2 4.0

‡ Operated as a continuous-record gaging station.
c/ Water-quality data included in this report.

Discharge measurements made at low-flow partial-record stations during water year 1982--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Measurements Date	Measurements Discharge (ft^3/s)
		Streams on Long Island				
01307100	Champlin Creek at Montauk Highway, at Islip, N.Y.	Lat 40°43'50", long 73°12'12", Suffolk County, at Montauk Highway, at Islip, and 0.45 mi (0.72 km) downstream from gaging station at Islip.	--	1963 1967 1973 1975-82	3- 2-82 6- 4-82	3.7 7.2
01307300	Pardees Ponds Outlet at Islip, N.Y.	Lat 40°43'40", long 73°13'16", Suffolk County, at culvert on State Highway 27A, at Islip.	--	1948-72 1974-82	3- 1-82	4.5
01307400	Awixa Creek at Islip, N.Y.	Lat 40°43'39", long 73°13'51", Suffolk County, at culvert on State Highway 27A, 0.75 mi (1.21 km) west of Islip.	--	1948-82	3- 1-82 6- 3-82	.70 1.4
01307500[c]	Penataquit Creek at Bay Shore, N.Y.	Lat 40°43'37", long 73°14'41", Suffolk County, at Union Avenue, at Bayshore.	--	1945-76‡ 1977-82	1- 7-82 3- 3-82 6- 4-82 9-10-82	9.0 3.0 8.8 6.8
01307600	Cascade Lakes Outlet at Brightwaters, N.Y.	Lat 40°42'40", long 73°15'38", Suffolk County, at culvert on Montauk Highway, at Brightwaters.	--	1958-82	3- 1-82	1.9
01307920	Sampawams Creek near Deer Park, N.Y.	Lat 40°44'27", long 73°18'24", Suffolk County, 30 ft (9 m) downstream from Bay Shore Road, and 2.5 mi (4.0 km) upstream from gaging station at Babylon.	--	1965-66 1973-82	3- 2-82 6- 3-82	1.0 .69
01307950	Sampawams Creek near North Babylon, N.Y.	Lat 40°43'37", long 73°18'46", Suffolk County, 120 ft (37 m) downstream from Hunter Avenue, and 1.6 mi (2.6 km) upstream from gaging station at Babylon.	--	1967 1971-82	3- 2-82 6- 3-82	2.9 3.9
01308200	Sampawams Creek below Hawleys Lake, at Babylon, N.Y.	Lat 40°41'48", long 73°19'04", Suffolk County at pond outlet, 200 ft (61 m) upstream from State Highway 27A, at Babylon, and 0.5 mi (0.8 km) downstream from gaging station at Babylon.	--	1953-67 1969-82	3- 2-82 6- 3-82	8.1 8.6
01308600	Carlls River at Park Avenue, Babylon, N.Y.	Lat 40°42'06", long 73°19'43", Suffolk County, at culvert on Park Avenue, at Babylon, and 0.5 mi (0.8 km) downstream from gaging station at Babylon.	--	1968-82	3- 1-82 6- 3-82	29 44
01309000[c]	Santapogue Creek at Lindenhurst, N.Y.	Lat 40°41'30", long 73°21'20", Suffolk County, at culvert on East Hoffman Avenue, 1 mi (2 km) east of Long Island Railroad station at Lindenhurst.	--	1947-69‡ 1970-82	1- 7-82 3- 3-82 6- 3-82 9-10-82	4.8 .78 2.3 .49
01309100	Santapogue Creek at State Highway 27A, Lindenhurst, N.Y.	Lat 40°41'02", long 73°21'06", Suffolk County, at culvert on State Highway 27A, 0.5 mi (0.8 km) downstream from gaging station at Lindenhurst.	--	1953-69 1971-82	3- 1-82 6- 3-82	3.9 8.6

‡ Operated as a continuous-record gaging station.

[c] Water-quality data included in this report.

Discharge measurements made at low-flow partial-record stations during water year 1981--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Measurements	
					Date	Discharge (ft^3/s)
		Streams on Long Island				
01309200	Neguntatogue Creek at Lindenhurst, N.Y.	Lat 40°40'47", long 73°21'40", Suffolk County, 20 ft (6 m) upstream from State Highway 27A, in Lindenhurst.	--	1948-50 1952-82	3- 1-82 6- 3-82	3.2 4.6
01309250	Strongs Creek at Lindenhurst, N.Y.	Lat 40°40'22", long 73°22'40", Suffolk County, 30 ft (9 m) upstream from State Highway 27A, at Lindenhurst.	--	1953-69 1971-82	3- 1-82 6- 3-82	1.3 .96
01309350	Amityville Creek at Amityville, N.Y.	Lat 40°40'13", long 73°24'51", Suffolk County, 100 ft (30 m) upstream from State Highway 27A, at Amityville.	--	1953-82	3- 1-82 6- 3-82	3.2 3.3
01309400	Carman Creek at Amityville, N.Y.	Lat 40°40'09", long 73°26"02", Nassau County, at bridge on State Highway 27A, 0.75 mi (1.21 km) west of Amityville.	--	1949 1953-69 1971-82	12-17-81 3- 3-82	4.8 4.4
01309454	Massapequa Creek at South Farmingdale, N.Y.	Lat 40°42'55", long 73°27'00", Nassau County, 75 ft (23 m) upstream from Tomes Avenue, 0.2 mi (0.3 km) south of South Farmingdale, and 1.9 mi (3.1 km) upstream from gaging station at Massapequa.	--	1962-65 1973-78 1980-82	12-14-81 3- 2-82	0 .11
01309476	Massapequa Creek at Southern State Parkway, at South Farmingdale, N.Y.	Lat 40°42'21", long 73°27'05", Nassau County, 30 ft (9 m) upstream from culvert at Southern State Parkway, 0.8 mi (1.3 km) south of South Farmingdale, and 1.2 mi (1.9 km) upstream from gaging station at Massapequa.	--	1962-65 1973-82	12-14-81 3- 2-82	.56 2.2
01309490	Massapequa Creek at North Massapequa, N.Y.	Lat 40°41'55", long 73°27'08", Nassau County, opposite Franklin Street, at North Massapequa, and 0.55 mi (0.88 km) upstream from gaging station at Massapequa.	--	1962 1964 1973-82	12-14-81 3- 2-82	1.6 4.1
01309700	Seaford Creek at Seaford, N.Y.	Lat 40°40'00", long 73°28'57", Nassau County, at bridge on State Highway 27A, in Seaford.	--	1953-82	12-17-81 3- 3-82 9-14-82	1.6 1.1 .10
01309970	Bellmore Creek tributary near North Wantagh, N.Y.	Lat 40°41'52", long 73°30'33", Nassau County, at culvert on Duck Pond Drive North, 0.3 mi (0.5 km) north of North Wantagh, and 1.2 mi (1.9 km) upstream from gaging station 01309990.	--	1973-82	12- 1-81 9- 8-82	0 0
01309980	Bellmore Creek tributary at North Wantagh, N.Y.	Lat 40°41'20", long 73°30'37", Nassau County, at culvert on Beltagh Avenue, at North Wantagh, and 0.6 mi (1.0 km) upstream from gaging station 01309990.	--	1973-82	12- 1-81 1-26-82 9- 8-82	0 0 0
01310100	Newbridge Creek at Merrick, N.Y.	Lat 40°39'42", long 73°32'02", Nassau County, downstream from bridge on Merrick Road in Merrick.	--	1963-82	12-17-81 3- 3-82 9-14-82	0 0 0

Discharge measurements made at low-flow partial-record stations during water year 1982--Continued

					Measurements	
Station No.	Station name	Location	Drainage area (mi^{2})	Period of record	Date	Discharge (ft^{3}/s)
		Streams on Long Island				
01310200	Cedar Swamp Creek at Merrick, N.Y.	Lat 40°39'39", long 73°32'24", Nassau County, at bridge on State Highway 27A, in Merrick, 2.5 mi (4.0 km) east of Freeport.	--	1953-62 1965-82	12-17-81 3- 3-82 9-14-82	5.2 4.6 1.8
01310470	East Meadow Brook near Westbury, NY.	Lat 40°44'01", long 73°35'06", Nassau County, 50 ft (15 m) downstream from culvert on Meadowbrook State Parkway, 1.0 mi (1.6 km) south of Westbury, and 4.8 mi (7.7 km) upstream from gage at Freeport.	--	1973-82	12-14-81 4-20-82	.37 .40
01310475	East Meadow Brook at Uniondale, N.Y.	Lat 40°43'17", long 73°35'00", Nassau County, at bridge on Hempstead Turnpike, 0.9 mi (1.4 km) northeast of Uniondale, and 3.9 mi (6.3 km) upstream from gage at Freeport.	--	1973-82	12-14-81 4-20-82	0 .39
01310488	East Meadow Brook at East Meadow, N.Y.	Lat 40°41'56", long 73°34'37", Nassau County, 300 ft (91 m) west of Luddington Road, 1.4 mi (2.3 km) southwest of East Meadow, and 2.3 mi (3.7 km) upstream from gage at Freeport.	--	1973-82	12-14-81 4-20-82	0 3.7
01310600	Milburn Creek at Baldwin, N.Y.	Lat 40°39'04", long 73°36'13", Nassau County, 50 ft (15 m) downstream from bridge on State Highway 27A, 0.5 mi (0.8 km) east of Baldwin.	--	1953-82	12-17-81 3- 2-82 9-14-82	6.2 6.0 4.1
01310800	South Pond Outlet at Rockville Centre, N.Y.	Lat 40°40'00", long 73°39'08", Nassau County, at bridge on Lakeview Ave., 0.75 mi (1.21 km) north of Rockville Centre.	--	1953-82	12- 1-81 3- 4-82 5- 3-82 9- 8-82	0 0 0 0
01311200	Motts Creek at Valley Stream, N.Y.	Lat 40°39'01", long 73°42'45", Nassau County, 50 ft (15 m) downstream from bridge on Rosedale Road, 1 mile (2 km) southwest of Valley Stream.	--	1954-82	12- 1-81 3- 4-82 5- 3-82 9- 8-82	0 0 0 0
01311700	Valley Stream, below West Branch, at Valley Stream, N.Y.	Lat 40°39'47", long 73°42'21", Nassau County, 200 ft (61 m) downstream from West Branch, 500 ft (152 m) downstream from bridge on West Valley Stream Blvd., at village park in Valley Stream, and 500 ft (152 m) downstream from gaging station.	--	1953-82	12- 1-81 3- 4-82 5- 3-82 9- 8-82	0 0 0 0

CHEMICAL QUALITY OF PRECIPITATION

LONG ISLAND

AT BAY PARK, NY

LOCATION.--Lat 40°38'02", long 73°39'55", Nassau County, at Bay Park Sewage Treatment Plant, Bay Park.

PERIOD OF RECORD.--October 1978 to current year (monthly composite).

EQUIPMENT.--The sample collector is a straight-sided polyethelene funnel, approximately 6.0 in (0.15 m) in diameter, which drains into a 2-liter Teflon* receiving bottle. The receiving bottle is enclosed in an insulated box which is heated during the cold weather season to aid in full collection of snow. The opening for the collector is approximately 7 ft (2 m) above ground level.

REMARKS.--Inches of precipitation is that recorded by the U.S. Geological Survey for the period of sampling.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

PERIOD OF COLLECTION	INCHES OF PRECIPITATION	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	CALCIUM (CA) (MG/L)	MAGNESIUM (MG) (MG/L)	SODIUM (NA) (MG/L)
81/10/01 TO 81/10/29	4.02	25	5.09	.72	.23	.95
81/10/29 TO 81/12/01	1.92	33	4.57	.42	.06	.75
81/12/01 TO 82/01/06	4.28	28	4.55	.56	.26	.62
82/01/06 TO 82/02/01	1.98	95	4.30	---	---	---
82/02/01 TO 82/03/03	2.30	36	3.94	.86	.41	1.20
82/03/03 TO 82/04/01	2.47	48	4.30	1.10	.31	1.10
82/04/01 TO 82/05/03	4.72	31	5.11	.98	.37	1.60
82/05/03 TO 82/06/02	4.57	28	4.69	1.10	.25	.54
82/06/02 TO 82/06/17	4.33	21	4.56	.60	.21	.53
82/06/17 TO 82/07/01	.91	56	4.29	2.10	.51	.80
82/07/01 TO 82/08/02	2.16	56	4.50	2.20	.54	1.20
82/08/02 TO 82/09/01	2.30	68	4.00	1.20	.41	1.10
82/09/01 TO 82/10/01	1.27	69	4.50	2.60	.75	2.10
82/10/01 TO 82/11/01	1.25	57	4.78	2.20	.66	2.10

PERIOD OF COLLECTION	POTASSIUM (K) (MG/L)	SULFATE (SO4) (MG/L)	CHLORIDE (CL) (MG/L)	NITRITE+ NITRATE AS N (MG/L)	AMMONIA AS N (MG/L)	PHOSPHORUS (P) (MG/L)
81/10/01 TO 81/10/29	.55	4.10	1.70	.45	.75	.02
81/10/29 TO 81/12/01	.09	4.20	1.30	.81	.99	.01
81/12/01 TO 82/01/06	.04	3.40	1.30	.43	.53	.01
82/01/06 TO 82/02/01	---	7.60	12.00	1.40	1.90	.15
82/02/01 TO 82/03/03	.10	3.00	1.80	.68	.63	.05
82/03/03 TO 82/04/01	.06	6.00	1.60	.83	.89	<.01
82/04/01 TO 82/05/03	.10	3.65	2.57	.48	.72	<.06
82/05/03 TO 82/06/02	.06	3.98	.82	.52	.53	<.06
82/06/02 TO 82/06/17	.03	2.06	.99	.27	.20	<.06
82/06/17 TO 82/07/01	.05	9.25	1.31	1.12	1.30	<.06
82/07/01 TO 82/08/02	.14	9.66	1.69	.84	1.30	<.06
82/08/02 TO 82/09/01	.08	9.00	1.67	1.00	1.10	<.06
82/09/01 TO 82/10/01	.07	12.40	3.21	1.32	2.10	<.06
82/10/01 TO 82/11/01	.10	9.46	3.88	1.17	2.10	<.06

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CHEMICAL QUALITY OF PRECIPITATION

LONG ISLAND

AT EAST MEADOW, NY

LOCATION.--Lat 40°44'36", long 73°35'10", Nassau County, at the New York State Department of Environmental Conservation Air Quality Station on roof of trailer at Merrick Avenue, Eisenhower Park, East Meadow.

PERIOD OF RECORD.--Water years: August 1976 to current year (monthly composite).

EQUIPMENT.--The sample collector is a straight-sided polyethelene funnel, approximately 6.0 in (0.15 m) in diameter, which drains into a 2-liter Teflon* receiving bottle. The receiving bottle is enclosed in an insulated box which is heated during the cold weather season to aid in full collection of snow. The opening for the collector is approximately 12 ft (4 m) above ground level.

REMARKS.--Inches of precipitation is that recorded by the U.S. Geological Survey for the period of sampling.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

PERIOD OF COLLECTION	INCHES OF PRECIPI-TATION	SPE-CIFIC CON-DUCTANCE (MICRO-MHOS)	PH (UNITS)	CAL-CIUM (CA) (MG/L)	MAGNE-SIUM (MG) (MG/L)	SODIUM (NA) (MG/L)
81/10/01 TO 81/10/29	4.42	24	4.97	.83	.32	.91
81/10/29 TO 81/12/01	1.75	32	5.21	.56	.11	.67
81/12/01 TO 82/01/06	4.77	22	5.50	.69	.40	1.30
82/01/06 TO 82/02/01	2.23	86	3.94	2.50	1.60	10.00
82/02/01 TO 82/03/01	2.31	29	5.45	1.30	.66	1.90
82/03/01 TO 82/04/01	2.82	40	5.68	1.90	.78	1.60
82/04/01 TO 82/04/30	5.95	28	5.95	1.60	.53	1.50
82/04/30 TO 82/06/02	4.60	19	5.40	.98	.41	.24
82/06/02 TO 82/06/17	3.67	18	4.76	.29	.24	.35
82/06/17 TO 82/07/01	.63	39	5.36	2.40	.94	.84
82/07/01 TO 82/08/02	3.73	40	4.60	1.80	.63	.23
82/08/02 TO 82/09/01	3.46	31	4.72	1.30	.51	.35
82/09/01 TO 82/10/01	1.26	57	5.69	2.80	1.20	1.30
82/10/01 TO 82/11/01	1.40	50	5.77	1.80	.89	1.50

PERIOD OF COLLECTION	POTAS-SIUM (K) (MG/L)	SULFATE (SO4) (MG/L)	CHLO-RIDE (CL) (MG/L)	NIT-RITE+ NIT-RATE AS N (MG/L)	AMMONIA AS N (MG/L)	PHOS-PHORUS (P) (MG/L)
81/10/01 TO 81/10/29	.19	3.60	1.70	.52	.33	.01
81/10/29 TO 81/12/01	.13	5.40	1.30	.96	.92	.01
81/12/01 TO 82/01/06	.07	2.60	2.40	.31	.34	.02
82/01/06 TO 82/02/01	.25	5.20	15.00	1.00	.89	.02
82/02/01 TO 82/03/01	.10	2.10	3.00	.52	.28	.01
82/03/01 TO 82/04/01	.13	6.50	2.50	1.00	.75	.01
82/04/01 TO 82/04/30	.10	2.52	2.57	.73	.25	<.06
82/04/30 TO 82/06/02	.06	2.96	.85	.52	.37	<.06
82/06/02 TO 82/06/17	.10	2.06	.58	.34	.15	<.06
82/06/17 TO 82/07/01	.44	6.48	1.51	1.29	---	<.06
82/07/01 TO 82/08/02	.11	7.11	.48	.75	.66	<.06
82/08/02 TO 82/09/01	.14	5.34	.70	.67	.50	<.06
82/09/01 TO 82/10/01	.22	10.20	2.49	1.41	2.00	<.06
82/10/01 TO 82/11/01	1.20	8.69	4.54	1.69	1.90	<.06

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CHEMICAL QUALITY OF PRECIPITATION

LONG ISLAND

AT UPTON, NY

LOCATION.--Lat 40°52'16", long 72°53'20", Suffolk County, at the Brookhaven National Laboratory weather tower, about 0.6 mi (1.0 km) north of main entrance, at Upton.

PERIOD OF RECORD.--Water years: 1965 to 1973, 1975 to current year (monthly composite).

EQUIPMENT.--The sample collector is a straight-sided glass funnel, approximately 6.5 in (0.17 m) in diameter, which drains into a polyethylene receiving bottle. A fritted glass disk is used as a filter between the collector and the receiving bottle and is replaced at the end of each collection period. The receiving bottle is enclosed in an insulated box which is heated during the cold weather season to aid in full collection of snow. The opening for the collector is approximately 4 ft (1.2 m) above ground level and is protected by a windshield.

REMARKS.--Inches of precipitation is that recorded by Brookhaven National Laboratory for the period of sampling.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

PERIOD OF COLLECTION	INCHES OF PRECIPITATION	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	CALCIUM (CA) (MG/L)	MAGNESIUM (MG) (MG/L)	SODIUM (NA) (MG/L)
81/10/02 TO 81/10/30	3.89	18	4.56	.11	.02	.79
81/10/30 TO 81/11/30	3.16	29	4.33	.13	.01	.86
81/11/30 TO 82/01/05	9.17	81	5.19	.21	.36	1.40
82/01/05 TO 82/02/02	4.76	32	5.93	.32	.36	2.70
82/02/02 TO 82/03/02	1.76	31	5.70	.71	.41	2.40
82/03/02 TO 82/03/31	3.34	41	4.23	.41	.09	1.00
82/03/31 TO 82/04/30	5.44	24	4.65	.27	.18	1.30
82/04/30 TO 82/06/03	3.53	26	4.35	.21	.07	.30
82/06/03 TO 82/06/17	9.79	15	4.58	.07	.05	.45
82/06/17 TO 82/07/01	.54	45	6.74	.43	.27	.60
82/07/01 TO 82/08/04	1.77	69	4.88	.51	.40	.47
82/08/04 TO 82/09/01	3.99	20	5.25	.27	.17	.63
82/09/01 TO 82/09/30	.86	57	4.13	.35	.07	.13

PERIOD OF COLLECTION	POTASSIUM (K) (MG/L)	SULFATE (SO4) (MG/L)	CHLORIDE (CL) (MG/L)	NITRITE+ NITRATE AS N (MG/L)	AMMONIA AS N (MG/L)	PHOSPHORUS (P) (MG/L)
81/10/02 TO 81/10/30	.09	1.50	1.20	.24	.08	.01
81/10/30 TO 81/11/30	.15	2.40	1.20	.42	.20	.01
81/11/30 TO 82/01/05	.12	23.00	3.30	.51	.10	<.01
82/01/05 TO 82/02/02	.96	2.40	4.30	.35	.55	.01
82/02/02 TO 82/03/02	.60	1.70	3.80	.41	.42	.05
82/03/02 TO 82/03/31	.14	5.00	1.40	.53	.35	<.01
82/03/31 TO 82/04/30	.10	2.44	2.29	.35	.12	<.06
82/04/30 TO 82/06/03	.12	2.25	.67	.28	.28	<.06
82/06/03 TO 82/06/17	.05	.99	.83	.13	.05	<.06
82/06/17 TO 82/07/01	1.90	5.95	1.53	1.01	---	---
82/07/01 TO 82/08/04	3.00	5.56	1.11	3.16	2.40	---
82/08/04 TO 82/09/01	1.10	3.00	1.12	.39	.53	<.06
82/09/01 TO 82/09/30	.02	5.35	.38	.47	.18	<.06

KINGS COUNTY

404147073571401. Local number, K 30.2.
LOCATION.--Lat 40°41'47", long 73°57'14", Hydrologic Unit 02030201, at Sanford Street near Park Avenue, Williamsburg. Owner: Williamsburg Industrial Development Enterprises, Inc.
AQUIFER.--Upper Glacial (water table).
WELL CHARACTERISTICS.--Driven observation well, diameter 1.25 in (0.03 m), depth 18 ft (6 m), screened 13 to 18 ft (4 to 5 m).
DATUM.--Land-surface datum is 21.0 ft (6.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.44 ft (0.13 m) below land-surface datum.
REMARKS.--Replaced well K-30.1 in September 1978 at same location.
PERIOD OF RECORD.--June 1935 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.38 ft (2.25 m) NGVD, Sept. 23, 1980; lowest measured, -29.75 ft (-9.07 m) NGVD, Nov. 8, 1941.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 29	4.74	JUN 1	4.66								

403852073582301. Local number, K 508.1.
LOCATION.--Lat 40°38'52", long 73°58'23", Hydrologic Unit 02030201, at 807 Caton Avenue, Kensington, Brooklyn. Owner: Atlantic Service Corporation.
AQUIFER.--Upper Glacial (water table).
WELL CHARACTERISTICS.--Drilled unused well, 24 in (0.61 m), depth 116 ft (35 m), screened 72.5 to 116 ft (22 to 35 m).
DATUM.--Land-surface datum is 50.5 ft (15 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of steel plate, 0.04 ft (0.01 m) above land-surface datum.
PERIOD OF RECORD.--August 1944 to current year. Unpublished records for August 1944 to September 1978 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 13.55 ft (4.13 m) NGVD, Dec. 16, 1975; lowest measured, -26.32 ft (-8.02 m) NGVD, Aug. 21, 1944.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 29	8.55	APR 2	9.14	JUN 30	9.49						

403639073590301. Local number, K 631.1.
LOCATION.--Lat 40°36'39", long 73°59'03", Hydrologic Unit 02030202, at 6817 Bay Parkway, New Utrecht, Brooklyn. Owner: Marboro Theater.
AQUIFER.--Upper Glacial (water table).
WELL CHARACTERISTICS.--Drilled unused well, 10 in (0.25 m), depth 97 ft (30 m), screened 72 to 97 ft (22 to 30 m).
DATUM.--Land-surface datum is 31 ft (9.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole drilled in cap 0.08 ft (0.02 m) above land-surface datum.
PERIOD OF RECORD.--December 1949 to current year. Unpublished records for December 1949 to September 1978 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 5.67 ft (1.73 m) NGVD, June 30, 1982; lowest measured, 3.01 ft (0.92 m) NGVD, Dec. 13, 1949.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 29	4.98	APR 2	4.48	JUN 30	5.67						

403939073542901. Local number, K 1265.1.
LOCATION.--Lat 40°39'39", long 73°54'29", Hydrologic Unit 02030202, at Thatford and Riverdale Avenues, East New York, Brooklyn. Owner: City of New York.
AQUIFER.--Upper Glacial (water table).
WELL CHARACTERISTICS.--Driven well, 1.5 in (0.04 m), depth 43.2 ft (13 m), screen assumed at bottom.
DATUM.--Land-surface datum is 23 ft (7.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.10 ft (0.03 m) above land-surface datum.
PERIOD OF RECORD.--April 1933 to current year. Unpublished records for 1933-35, 1941-78 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.99 ft (5.18 m) NGVD, Sept. 23, 1980; lowest measured, -11.55 ft (-3.52 m) NGVD, Aug. 22, 1942.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 29	8.69	APR 1	8.25	JUN 30	8.39						

NASSAU COUNTY

404048073412602. Local number, N 9.1

LOCATION.--Lat 40°40'48", long 73°41'26", Hydrologic Unit 02030202, at Corona Avenue and Remsen Street, Valley Stream. Owner: Long Island State Park Commission.

AQUIFER.--Magothy (confined).

WELL CHARACTERISTICS.--Drilled unused well, diameter 8 in (0.15 m) to 4 in (0.10 m), depth 138 ft (42 m), screen assumed at bottom.

DATUM.--Land-surface datum is 23.2 ft (7.07 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.48 ft (0.45 m) above land-surface datum.

PERIOD OF RECORD.--July 1936 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 23.57 ft (7.18 m) NGVD, Sept. 23, 1938; lowest measured, 6.94 ft (2.11 m) NGVD, Sept. 21, 1982.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 23	7.52	MAR 15	8.04	JUN 15	7.57	SEP 21	6.94				

403929073382901. Local number, N 53.1

LOCATION.--Lat 40°39'29", long 73°38'29", Hydrologic Unit 02030202, at Maple and Morris Avenues, Rockville Centre. Owner: Village of Rockville Centre.

AQUIFER.--Upper Glacial (water table).

WELL CHARACTERISTICS.--Drilled observation well, diameter 8 in (0.20 m), depth 51 ft (14 m), screen assumed at bottom.

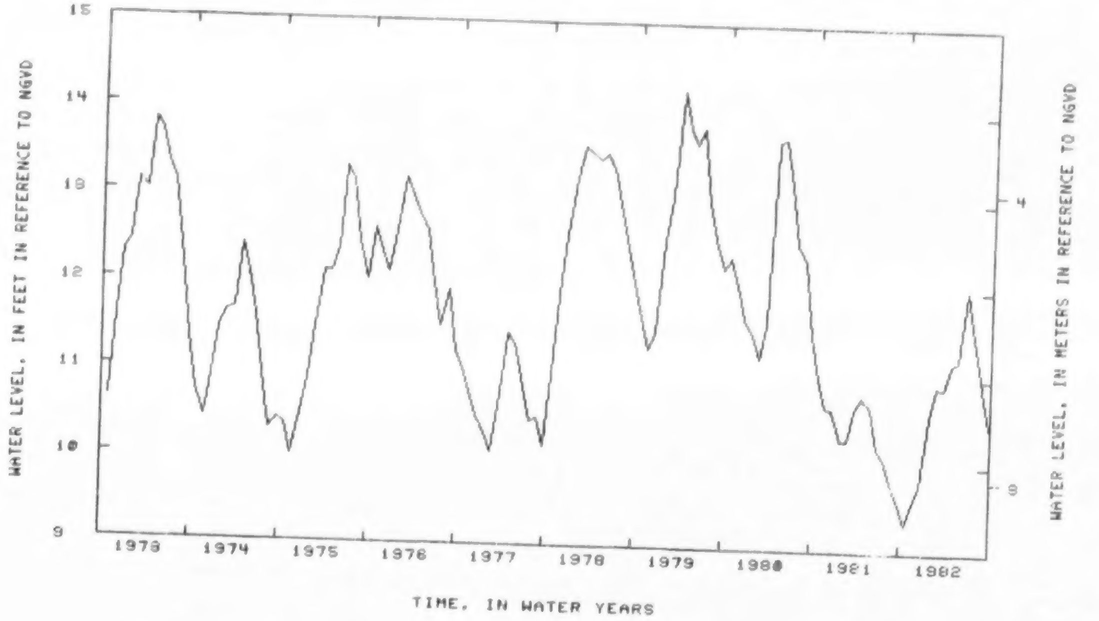
DATUM.--Land-surface datum is 26.2 ft (8.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 5.13 ft (1.56 m) below land-surface datum.

PERIOD OF RECORD.--August 1934 to current year. Unpublished records for August 1934 to September 1975 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.49 ft (5.03 m) NGVD, Apr. 15, 1939; lowest measured, 7.85 ft (2.39 m) NGVD, Aug. 30, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	9.34	DEC 21	9.79	FEB 19	10.92	APR 22	11.17	JUN 22	12.02	AUG 23	10.92
NOV 20	9.58	JAN 25	10.58	MAR 23	10.90	MAY 20	11.22	JUL 21	11.50	SEP 21	10.46



NASSAU COUNTY--Continued

404931073382101. Local number, N 110.1

LOCATION.--Lat 40°49'31", long 73°38'21", Hydrologic Unit 02030201, at Scudders Lane and Motts Cove Road, Glenwood Landing. Owner: Jericho Water District.

AQUIFER.--Lloyd (confined).

WELL CHARACTERISTICS.--Drilled observation well, diameter 16 in (0.41 m), reported depth 519 ft (158 m), measured depth 324 ft (98.8 m), screened 445 to 515 ft (136 to 157 m).

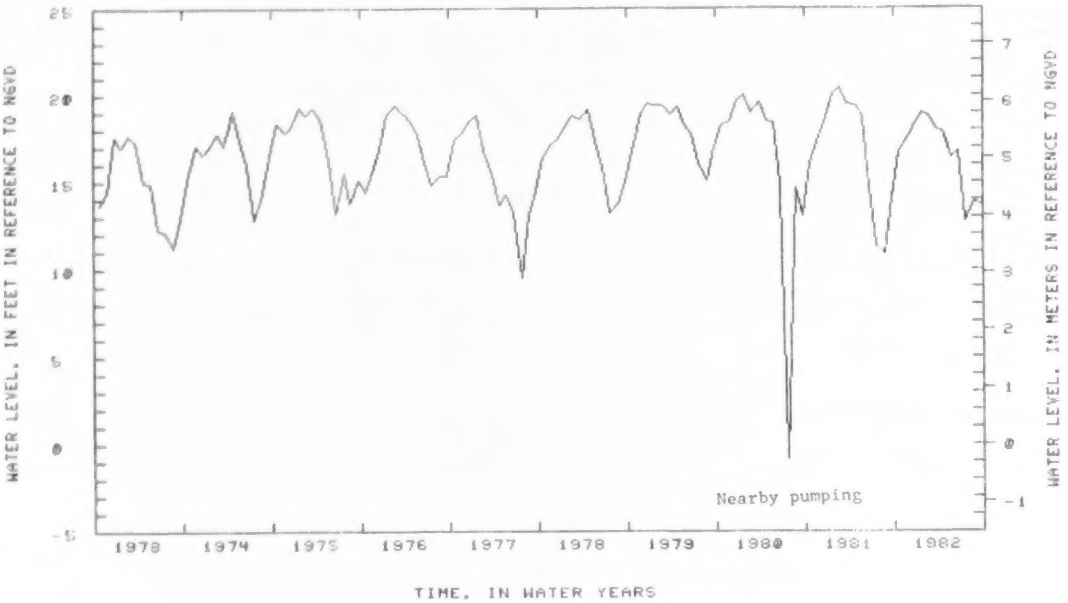
DATUM.--Land-surface datum is 56.1 ft (17.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 4 in (0.10 m) nipple, 0.50 ft (0.15 m) above land-surface datum.

PERIOD OF RECORD.--January 1946 to current year. Unpublished records for 1946-48, 1952, 1955, 1961, 1965, 1970-75, are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 27.99 ft (8.53 m) NGVD, Dec. 15, 1970; lowest measured, -9.05 ft (-2.76 m) NGVD, May 22, 1957.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	16.66	JAN 23	18.99	MAR 23	18.11	MAY 23	16.45	JUL 22	12.71	SEP 21	13.72
DEC 22	18.05	FEB 23	18.86	APR 22	17.89	JUN 24	16.77	AUG 25	13.93		



404030073293702. Local number, N 180.2

LOCATION.--Lat 40°40'30", long 73°29'37", Hydrologic Unit 02030202, at Sunrise Highway and Seamans Neck Road, Seaford. Owner: Nassau County Department of Public Works.

AQUIFER.--Magothy (confined).

WELL CHARACTERISTICS.--Drilled unused well, diameter 4 in (0.10 m) to 6 in (0.15 m), depth 723 ft (220 m), screen assumed at bottom.

DATUM.--Land-surface datum is 15.3 ft (4.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 14.39 ft (4.38 m) above land-surface datum.

PERIOD OF RECORD.--October 1945 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 21.08 ft (6.43 m) NGVD, June 6, 1952; lowest measured, 12.11 ft (3.69 m) NGVD, June 28, 1976.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 22	15.31	MAR 15	17.12	JUN 14	17.40	SEP 21	14.77				

NASSAU COUNTY--Continued

404609073421602. Local number, N 1102.2.
LOCATION.--Lat 40°46'09", long 73°42'16", Hydrologic Unit 02030201, at Long Island Expressway and Community Drive, Lake Success. Owner: Nassau County Department of Public Works.
AQUIFER.--Upper Glacial (water table).
WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in (0.10 m), depth 166 ft (51 m), screened 161 to 166 ft (49 to 51 m).
DATUM.--Land-surface datum is 184.0 ft (56 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.32 ft (0.10 m) below land-surface datum.
REMARKS.--Replaced well N 1102.1 in March 1963 at same location.
PERIOD OF RECORD.--April 1939 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 59.12 ft (18.02 m) NGVD, May 25, 1953; lowest measured, 29.08 ft (8.86 m) NGVD, Oct. 1, 1969.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 28	32.19	JAN 8	32.16 G	MAR 16	32.67	JUL 8	31.86 G	SEP 1	30.98 G	SEP 23	29.29

G MEASUREMENT BY ANOTHER AGENCY

404040390734201O1. Local number, N 1110.1.
LOCATION.--Lat 40°40'40", long 73°42'01", Hydrologic Unit 02030202, at Henry Street, near Southern State Parkway, North Valley Stream. Owner: Nassau County Department of Public Works.
AQUIFER.--Upper Glacial (water table).
WELL CHARACTERISTICS.--Driven observation well, diameter 1.25 in (0.03 m), depth 27 ft (8 m), screen assumed at bottom.
DATUM.--Land-surface datum is 30.9 ft (9.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.05 ft (0.02 m) below land-surface datum.
REMARKS.--Water-quality records for 1966 and 1968 are available in files of Long Island Sub-district office.
PERIOD OF RECORD.--April 1939 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 21.05 ft (6.42 m) NGVD, Apr. 21, 1939; lowest measured, 5.78 ft (1.76 m) NGVD, Sept. 15, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 23	6.17	MAR 15	7.72 G	MAR 16	8.08 G	JUN 14	8.07	SEP 1	8.02 G	SEP 21	7.16
JAN 8	6.80 G										

G MEASUREMENT BY ANOTHER AGENCY

NASSAU COUNTY--Continued

404125073394802. Local number, N 1129.2

LOCATION.--Lat 40°41'25", long 73°39'48", Hydrologic Unit 02030202, at Hawthorne Street and Euclid Avenue, West Hempstead. Owner: Nassau County Department of Public Works.

AQUIFER.--Upper Glacial (water table).

WELL CHARACTERISTICS.--Driven observation well, diameter 1.25 in (0.03 m), depth 44 ft (13 m), screened 41 to 44 ft (12 to 13 m).

DATUM.--Land-surface datum is 50.8 ft (15.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.26 ft (0.08 m) below land-surface datum.

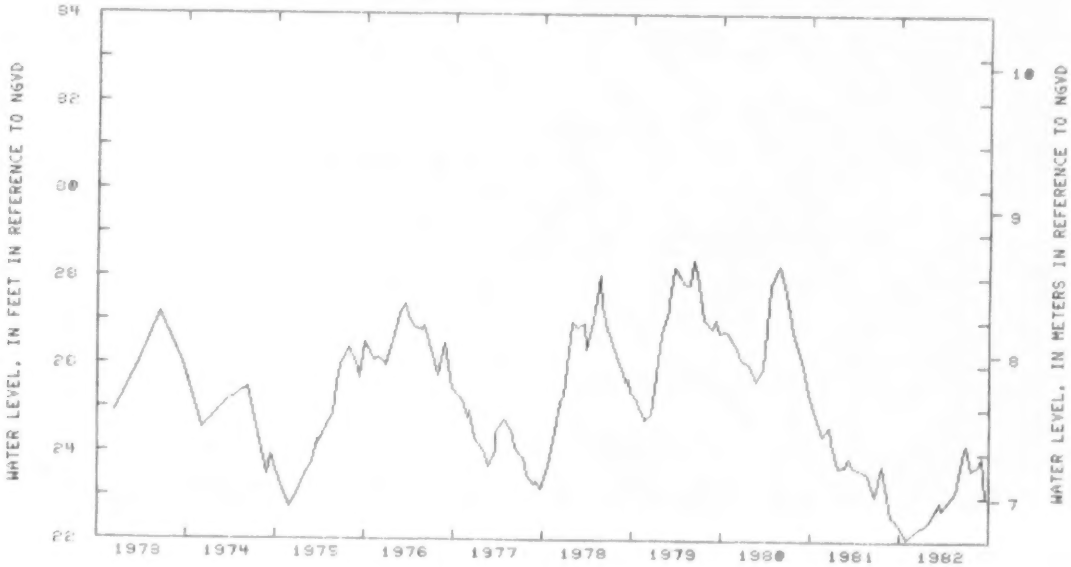
REMARKS.--Water-quality records for 1966, 1968, 1975-1979 are available in files of Long Island Sub-district office. Replaced well N 1129.1 in October 1966 at same location.

PERIOD OF RECORD.--August 1937 to current year. Unpublished records for August 1937 to September 1975 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 33.79 ft (10.30 m) NGVD, Sept. 28, 1938; lowest measured, 21.85 ft (6.66 m) NGVD, Sept. 20, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	22.06	FEB 24	22.69	APR 22	22.94	JUN 23	24.14	JUL 21	23.63	AUG 31	23.92 G
DEC 8	22.22 G	MAR 17	22.91 G	MAY 18	23.14	28	24.21 G	AUG 19	23.74	SEP 20	23.04
JAN 25	22.42	22	22.74								



TIME, IN WATER YEARS

G MEASUREMENT BY ANOTHER AGENCY

405026073272002. Local number, N 1243.5.

LOCATION.--Lat 40°50'26", long 73°27'20", Hydrologic Unit 02030201, at Stillwell and Harbor Roads, Cold Spring. Owner: Nassau County Department of Public Works.

AQUIFER.--Upper Glacial (water table).

WELL CHARACTERISTICS.--Drilled observation well, diameter 1.25 in (0.03 m), depth 28 ft (9 m), screened 25 to 28 ft (7.6 to 8.5 m).

DATUM.--Land-surface datum is 63.1 ft (19.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.10 ft (0.03 m) below land-surface datum.

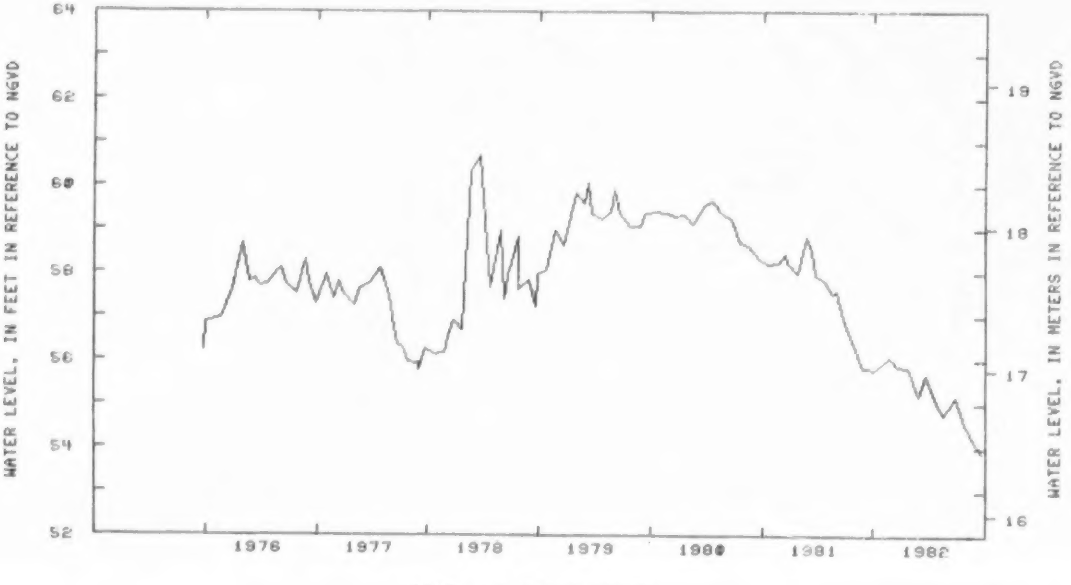
REMARKS.--Water-quality records for 1960 are available in files of Long Island Sub-district office. Replaced well N 1243.4 in September 1975 at same location.

PERIOD OF RECORD.--November 1939 to current year. Unpublished records for November 1939 to September 1975 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 61.95 ft (18.88 m) NGVD, Apr. 29, 1975; lowest measured, 48.03 ft (14.64 m) NGVD, Feb. 24, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	55.93	DEC 21	55.88	FEB 24	55.20	APR 22	55.08	JUN 23	55.15	AUG 19	54.15
NOV 20	56.08	JAN 25	55.82	MAR 22	55.68	MAY 18	54.77	JUL 21	54.58	SEP 20	53.89



TIME, IN WATER YEARS

404703073264201. Local number, N 1246.1

LOCATION.--Lat 40°47'03", long 73°26'42", Hydrologic Unit 02030202, at Round Swamp and Old Country Roads, Plainview. Owner: Nassau County Department of Public Works.

AQUIFER.--Magothy (water table).

WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in (0.10 m), depth 124 ft (38 m), screen assumed at bottom.

DATUM.--Land-surface datum is 184.9 ft (56.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.08 ft (0.02 m) above land-surface datum.

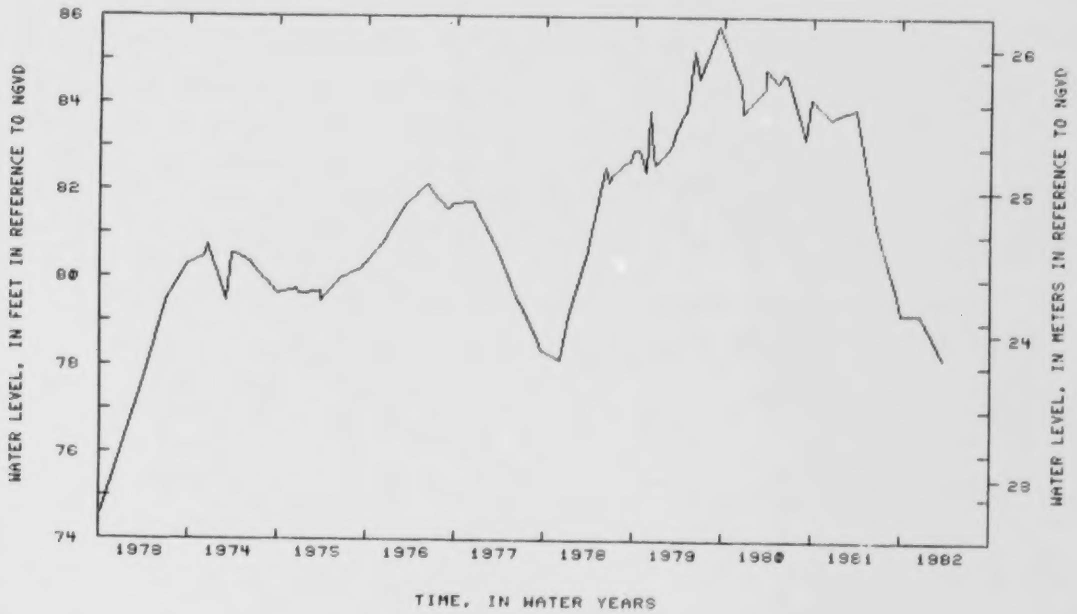
REMARKS.--Water-quality records for 1971 are available in files of Long Island Sub-district office.

PERIOD OF RECORD.--May 1940 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 85.81 ft (26.15 m) NGVD, Sept. 12, 1979; lowest measured, 68.29 ft (20.81 m) NGVD, Apr. 25, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 22	79.20	MAR 19	78.20 @								



@ MEASUREMENT BY ANOTHER AGENCY

404339073371402. Local number, N 1255.2

LOCATION.--Lat 40°43'39", long 73°37'14", Hydrologic Unit 02030202, at Clinton Road and Saint James Street, Garden City. Owner: Nassau County Department of Public Works.

AQUIFER.--Upper Glacial (water table).

WELL CHARACTERISTICS.--Drilled observation well, diameter 1.25 in (0.03 m), depth 35 ft (11 m), screen assumed at bottom.

DATUM.--Land-surface datum is 79.3 ft (24.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.61 ft (0.19 m) below land-surface datum. Prior to September 1, 1977, measuring point was 0.04 ft (0.01 m) above land-surface datum.

PERIOD OF RECORD.--May 1913 to current year. Unpublished records for May 1913 to November 1918, June 1936 to September 1975, are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 65.59 ft (19.99 m) NGVD, Apr. 15, 1939; lowest measured 47.48 ft (14.47 m) NGVD, Feb. 24, 1967.

WATER LEVEL, IN FEET IN PEFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 20	49.19	JAN 25	51.64	APR 22	51.39	MAY 18	50.69	JUN 23	50.89	JUL 21	50.84
DEC 21	48.69	MAR 22	52.29								

404316073290901. Local number, N 1259.4.
LOCATION.--Lat 40°43'16", long 73°29'09", Hydrologic Unit 02030202, at Hicksville Road and Mary Lane, Plainedge.
Owner: Nassau County Department of Public Works.
AQUIFER.--Upper Glacial (water table).
WELL CHARACTERISTICS.--Drilled observation well, diameter 1.25 in (0.03 m), depth 41 ft (12 m), screened 38 to 41 ft (11.6 to 12.5 m).
DATUM.--Land-surface datum is 78.4 ft (23.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.32 ft (0.10 m) below land-surface datum.
REMARKS.--Replaced well N 1259.3 in June 1961 at same location.
PERIOD OF RECORD.--January 1909 to April 1910, January 1912 to December 1916, February 1930 to December 1935, March 1937 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 57.60 ft (17.56 m) NGVD, Feb. 21, 1978; lowest measured, 45.61 ft (13.90 m) NGVD, Aug. 25, 1966.

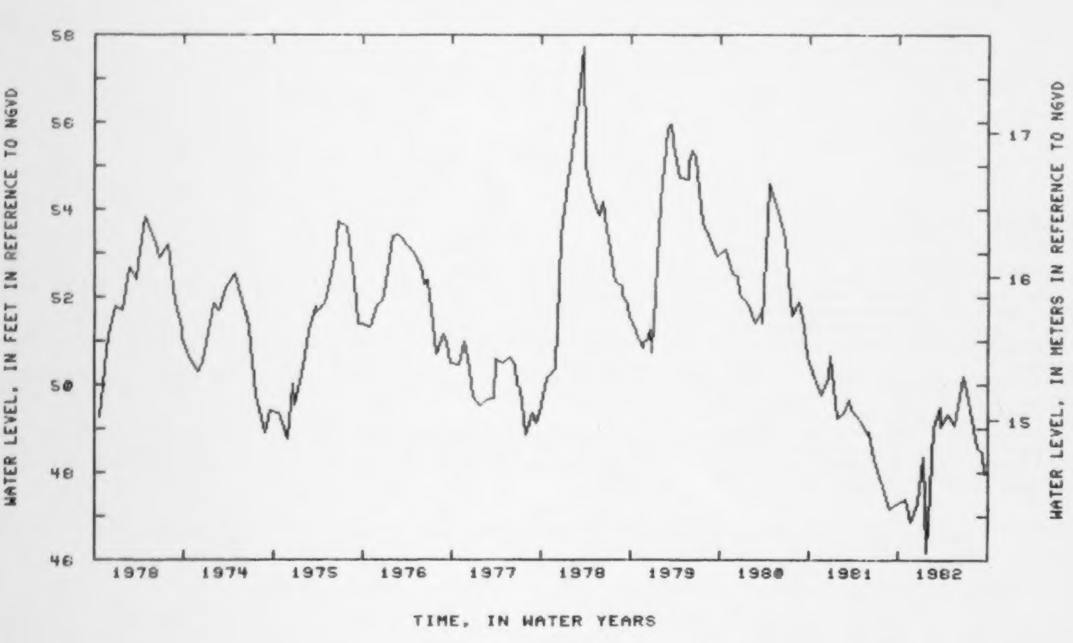
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 20	48.19	JAN 25	48.17	MAR 22	50.21	JUN 23	51.13	JUL 21	50.52	SEP 8	49.71 G
DEC 21	48.40	FEB 24	50.24	APR 22	50.50	29	51.12 G	AUG 19	49.90	20	49.33
JAN 8	48.98 G	MAR 18	49.61 G	MAY 18	50.32						

404302073295804. Local number, N 1263.4.
LOCATION.--Lat 40°43'02", long 73°29'58", Hydrologic Unit 02030202, at Wantagh Avenue and Miller Place, Levittown.
Owner: Nassau County Department of Public Works.
AQUIFER.--Upper Glacial (water table).
WELL CHARACTERISTICS.--Drilled observation well, diameter 1.25 in (0.03 m), depth 35 ft (11 m), screened 32 to 35 ft (9.8 to 10.7 m).
DATUM.--Land-surface datum is 67.0 ft (20.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.41 ft (0.12 m) below land-surface datum.
REMARKS.--Water-quality records for 1968, 1970, 1974-76, are available in files of Long Island Sub-district office. Replaced well N 1263.3 in December 1952 at same location.
PERIOD OF RECORD.--June 1936 to current year. Unpublished records for June 1936 to September 1975 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 63.05 ft (19.22 m) NGVD, June 29, 1948; lowest measured, 44.01 ft (13.41 m) NGVD, Aug. 25, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	47.39	JAN 8	48.37 G	MAR 18	49.51 G	MAY 18	49.07	JUL 21	49.42	SEP 8	48.46 G
NOV 20	46.85	25	46.18	22	49.05	JUN 23	50.19	AUG 19	48.58	20	47.95
DEC 21	47.31	FEB 24	49.04	APR 22	49.33	29	50.03 G				

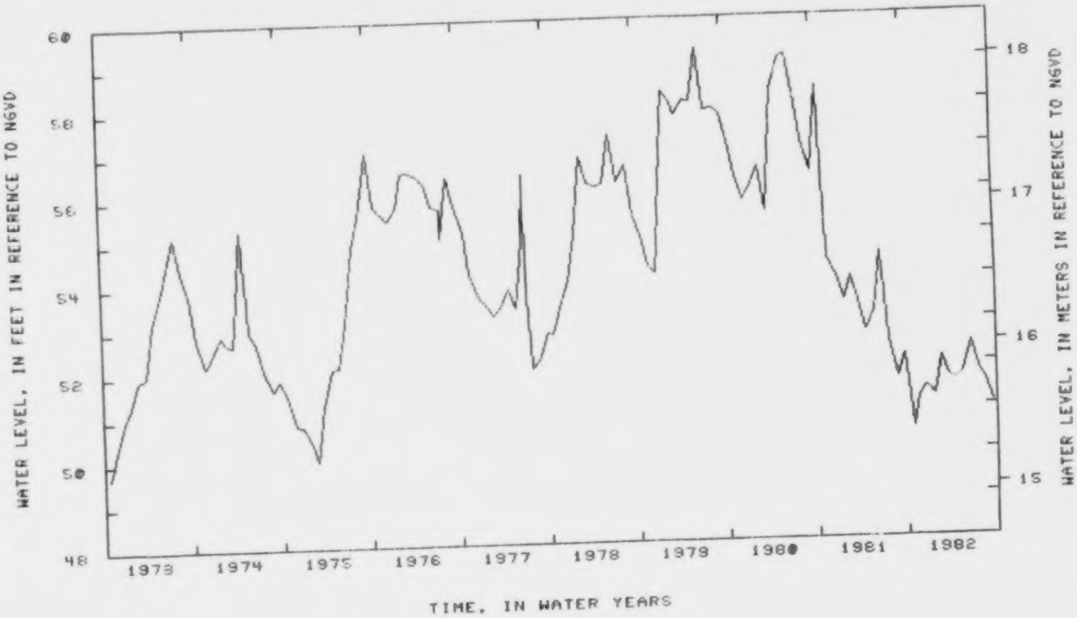


G MEASUREMENT BY ANOTHER AGENCY

404446073392904. Local number, N 1614.4
LOCATION.--Lat 40°44'46", long 73°39'29", Hydrologic Unit 02030202, at Herricks Road and Sally Place, Mineola.
Owner: Nassau County Department of Public Works.
AQUIFER.--Upper Glacial (water table).
WELL CHARACTERISTICS.--Drilled observation well, diameter 1.25 in (0.03 m), depth 53 ft (16 m), screen assumed at bottom.
DATUM.--Land-surface datum is 100.1 ft (30.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.26 ft (0.08 m) below land-surface datum.
REMARKS.--Replaced well N 1614.3 in April 1966 at same location.
PERIOD OF RECORD.--January 1933 to current year. Unpublished records for January 1933 to September 1975 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 72.48 ft (22.09 m) NGVD, May 31, 1949; lowest measured, 48.42 ft (14.76 m) NGVD, Dec. 21, 1970.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	50.49	DEC 21	51.44	FEB 24	52.10	APR 22	51.60	JUN 23	52.42	AUG 19	51.54
NOV 20	51.20	JAN 25	51.24	MAR 22	51.67	MAY 18	51.75	JUL 21	51.84	SEP 20	51.08

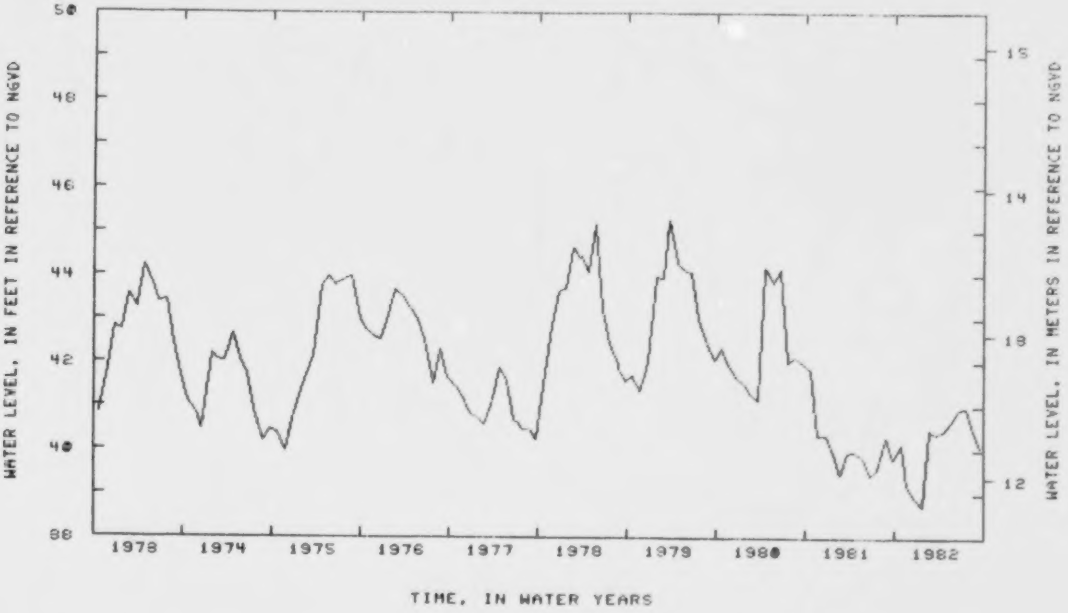


NASSAU COUNTY--Continued

404209073340602. Local number, N 1615.2.
LOCATION.--Lat 40°42'09", long 73°34'06", Hydrologic Unit 02030202, at Merrick and Van Buren Avenues, East Meadow.
Owner: Nassau County Department of Public Works.
AQUIFER.--Upper Glacial (water table).
WELL CHARACTERISTICS.--Drilled observation well, diameter 1.25 in (0.03 m), depth 33 ft (10 m), screened 30 to 33 ft (9.1 to 10.1 m).
DATUM.--Land-surface datum is 61.0 ft (18.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.13 ft (0.04 m) below land-surface datum.
REMARKS.--Water-quality records for 1966-67, 1969, 1972, are available in files of Long Island Sub-district office. Replaced well N 1615.1 in August 1966 at same location.
PERIOD OF RECORD.--March 1913 to current year. Unpublished records for March 1913 to September 1975, are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 47.17 ft (14.38 m) NGVD, Mar. 28, 1939; lowest measured, 37.88 ft (11.55 m) NGVD, Aug. 25, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	40.14	DEC 21	38.93	FEB 24	40.45	APR 22	40.44	JUN 23	40.93	AUG 19	40.47
NOV 20	39.20	JAN 25	38.73	MAR 22	40.37	MAY 18	40.64	JUL 21	40.97	SEP 20	40.06

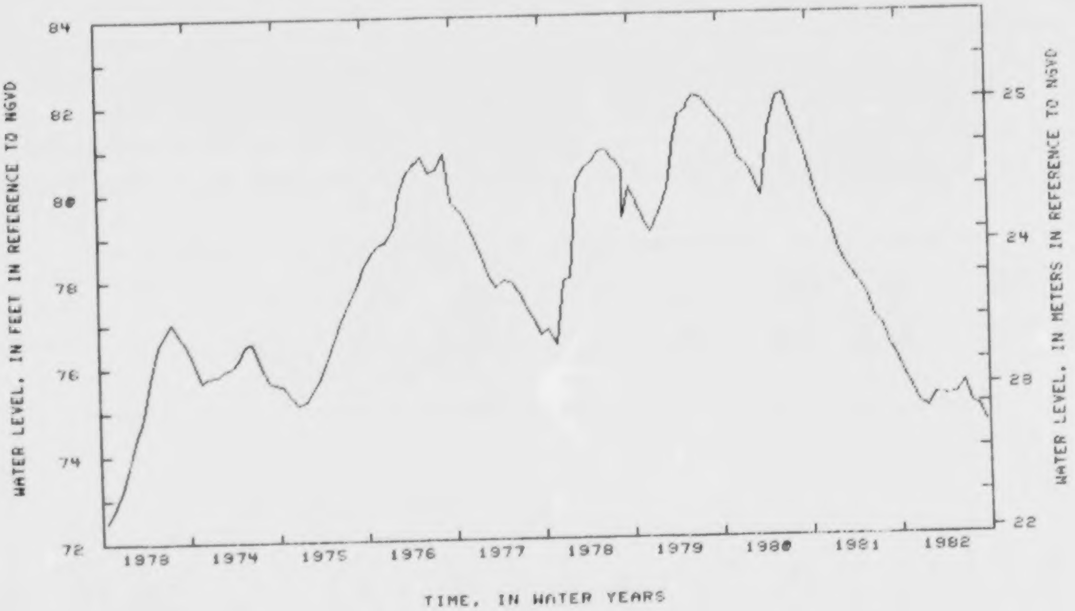


NASSAU COUNTY--Continued

404554073351502. Local number, N 1616.2.
LOCATION.--Lat 40°45′54", long 73°35′15", Hydrologic Unit 02030202, at Post Avenue and Argyle Road, Westbury.
Owner: Nassau County Department of Public Works.
AQUIFER.--Magothy (water table).
WELL CHARACTERISTICS.--Drilled observation well, diameter 2 in (0.05 m), depth 68 ft (21 m), screened 65 to 68 ft (20 to 21 m).
DATUM.--Land-surface datum is 122.4 ft (37.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.32 ft (0.10 m) below land-surface datum.
REMARKS.--Water-quality records for 1969 are available in files of Long Island Sub-district office. Replaced well N 1616.1 in October 1965 at same location, which was screened in upper Glacial aquifer.
PERIOD OF RECORD.--March 1913 to December 1915, June 1932 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 85.42 ft (26.04 m) NGVD, June 1, 1939; lowest measured, 68.28 ft (20.81 m) NGVD, Feb. 28, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	75.58	DEC 21	75.02	FEB 24	75.20	APR 22	75.18	JUN 23	75.48	AUG 19	74.92
NOV 20	75.38	JAN 25	74.90	MAR 22	75.21	MAY 18	75.21	JUL 21	75.00	SEP 20	74.58



NASSAU COUNTY--Continued

405001073343202. Local number, N 2528.2.
LOCATION.--Lat 40°50'01", long 73°34'32", Hydrologic Unit 02030201, at Chicken Valley and Wolver Hollow Roads, Upper Brookville. Owner: Nassau County Department of Public Works.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in (0.15 m) to 4 in (0.10 m), depth 328 ft (100 m), slotted 278 to 282 ft (85 to 86 m).
DATUM.--Land-surface datum is 93.1 ft (28.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of nipple, 0.76 ft (0.23 m) above land-surface datum.
REMARKS.--Water-quality records for 1972 are available in files of Long Island Sub-district office.
PERIOD OF RECORD.--December 1947 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 79.92 ft (24.36 m) NGVD, July 25, 1957; lowest measured, 59.12 ft (18.02 m) NGVD, Feb. 24, 1967.

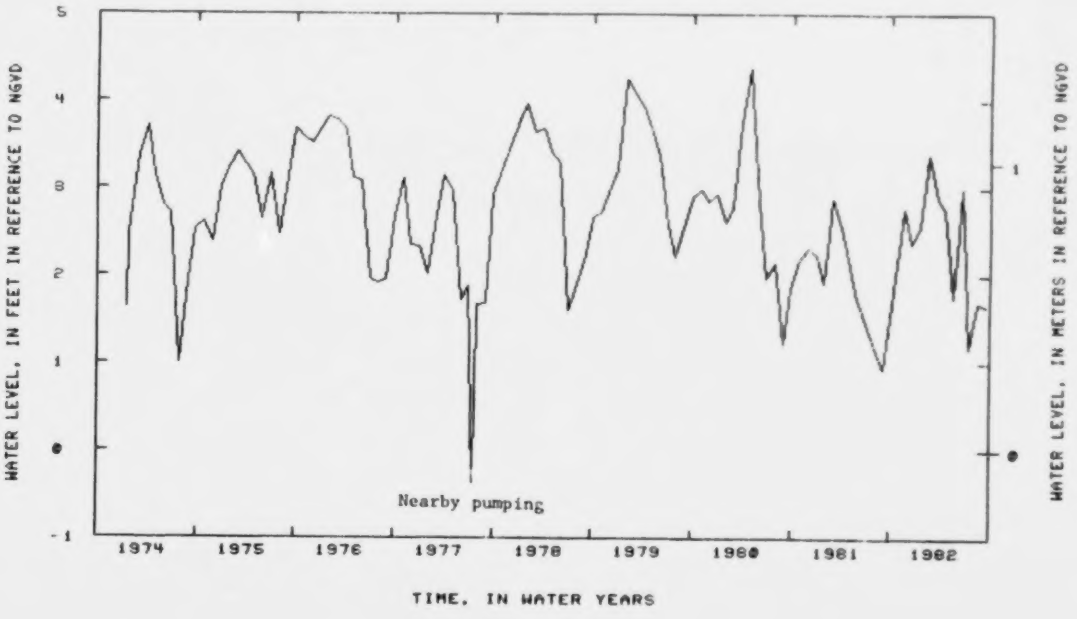
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 23	66.06	MAR 16	66.29	JUN 16	66.44	SEP 23	65.61				

403805073395302. Local number, N 2790.2.
LOCATION.--Lat 40°38'05", long 73°39'53", Hydrologic Unit 02030202, at Bay Park Sewage Treatment Plant, Bay Park. Owner: Nassau County Department of Public Works.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in (0.15 m), depth 571 ft (174 m), screened 538 to 560 ft (164 to 171 m).
DATUM.--Land-surface datum is 6.0 ft (1.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Base of recorder shelf, 3.82 ft (1.16 m) above land-surface datum.
REMARKS.--Water-quality records for 1964-66, 1968, 1971-74, are available in files of Long Island Sub-district office.
PERIOD OF RECORD.--December 1949 to current year. Unpublished records for December 1949 to September 1975 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.50 ft (1.98 m) NGVD, Apr. 6, 1958; lowest measured, -0.36 ft (-0.11 m) NGVD, July 20, 1977.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 18	2.76	JAN 18	2.57	MAR 21	2.90	MAY 19	1.75	JUL 18	1.16	SEP 19	1.65
DEC 17	2.36	FEB 21	3.39	APR 18	2.75	JUN 19	3.00	AUG 18	1.69		



404618073270402. Local number, N 3355.2
LOCATION.--Lat 40°46'18", long 73°27'04", Hydrologic Unit 02030202, at Round Swamp Road, 0.7 mi (1.1 km) south of Old Country Road, Plainview. Owner: U.S. Geological Survey.
AQUIFER.--Lloyd (confined).
WELL CHARACTERISTICS.--Drilled observation well, diameter 8 in (0.20 m) to 4 in (0.10 m), depth 1,093 ft (332 m), screened 1,070 to 1,090 ft (326 to 332 m).
DATUM.--Land-surface datum is 184.5 ft (56.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.78 ft (0.54 m) below land-surface datum.
REMARKS.--Water-quality records for 1951 are available in files of Long Island Sub-district office.
PERIOD OF RECORD.--August 1951 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 36.17 ft (11.02 m) NGVD, Apr. 10, 1957; lowest measured, 23.18 ft (7.07 m) above NGVD, Apr. 11, 1972.

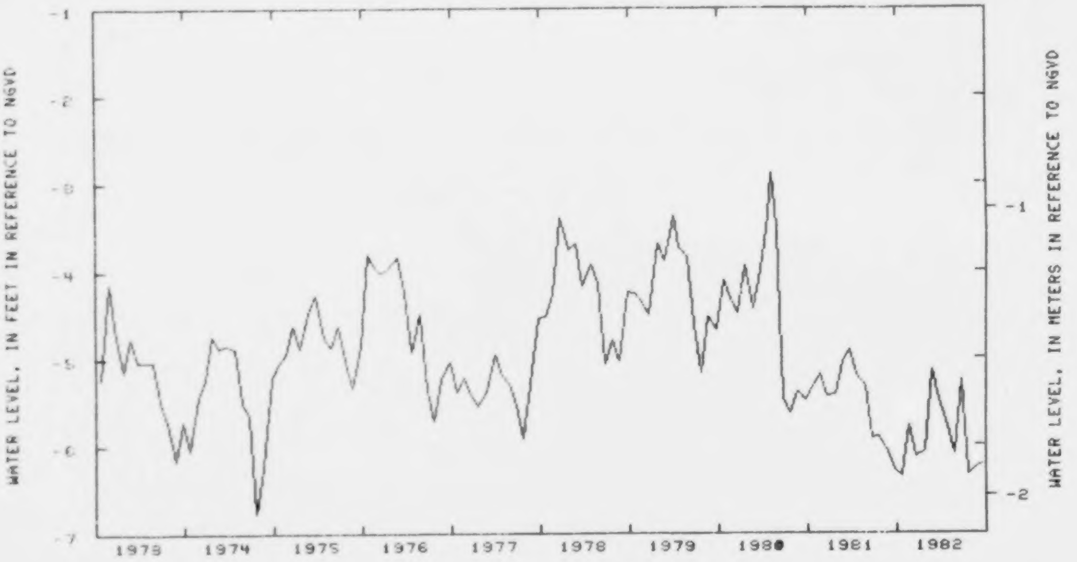
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 22	30.72	MAR 16	30.79	JUN 14	30.65	SEP 24	29.76				

403751073440101. Local number, N 3861.1
LOCATION.--Lat 40°37'51", long 73°44'01", Hydrologic Unit 02030202, at Water Pollution Control Plant, Arlington Place, Cedarhurst. Owner: U.S. Geological Survey.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in (0.15 m), depth 530 ft (162 m), screened 520 to 519 ft (158 to 162 m).
DATUM.--Land-surface datum is 7.0 ft (2.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.37 ft (0.72 m) above land-surface datum.
REMARKS.--Water-quality records for 1952-53, 1956, 1959, 1970, 1974, 1981, are available in files of Long Island Sub-district office; those for 1981 are published elsewhere in this report.
PERIOD OF RECORD.--April 1952 to current year. Unpublished records for April 1952 to September 1975 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, -2.88 ft (0.88 m) NGVD, May 1, 1980; lowest measured, -7.57 ft (-2.31 m) NGVD, Aug. 7, 1955.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	-6.35	DEC 20	-6.14	FEB 21	-5.13	APR 20	-5.72	JUN 21	-5.25	AUG 21	-6.26
NOV 21	-5.76	JAN 21	-6.07	MAR 21	-5.49	MAY 24	-6.10	JUL 21	-6.33	SEP 19	-6.22



403908073431902. Local number, N 3867-2.

LOCATION.--lat 40°39'08", long 73°43'19", Hydrologic Unit 02030202, at Brook Road Park, at the end of Brook Road, Green Acres. Owner: U.S. Geological Survey.

AQUIFER.--Magothy (confined).

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in (0.15 m), depth 517 ft (158 m), screened 505 to 517 ft (154 to 158 m).

DATUM.--Land-surface datum is 7.9 ft (2.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.30 ft (0.40 m) above land-surface datum.

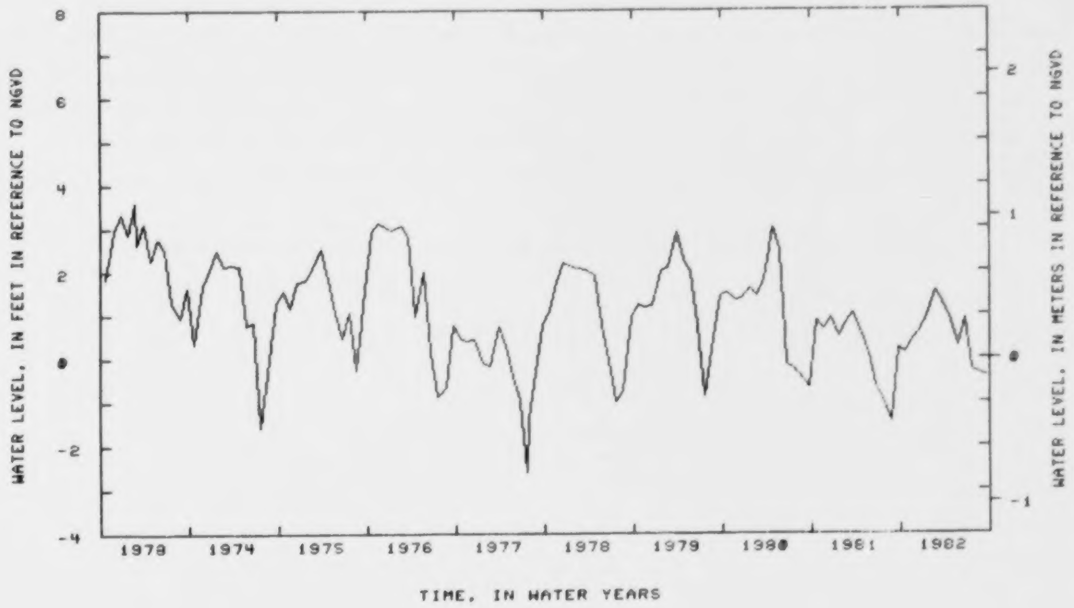
REMARKS.--Water-quality records for 1971 are available in files of Long Island Sub-district office.

PERIOD OF RECORD.--December 1952 to current year. Unpublished records for December 1952 to September 1975 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.99 ft (2.44 m) NGVD, Jan. 28, 1953; lowest measured, -2.61 ft (-0.80 m) NGVD, July 19, 1977.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	0.13	DEC 21	0.59	FEB 22	1.55	APR 22	0.94	JUN 22	0.89	AUG 23	-0.38
NOV 24	0.44	JAN 22	1.08	MAR 22	1.27	MAY 24	0.26	JUL 21	-0.26	SEP 20	-0.40



405125073420702. Local number, N 6282-2.

LOCATION.--Lat 40°51'25", long 73°42'07", Hydrologic Unit 02030201, at Helen Keller National Center for Deaf-Blind Youths and Adults, Middle Neck Road, Sands Point. Owner: U.S. Geological Survey.

AQUIFER.--Port Washington (confined).

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in (0.15 m), depth 396 ft (121 m), screened 378 to 388 ft (115 to 118 m).

DATUM.--Land-surface datum is 99.0 ft (30.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of flange, 3.22 ft (0.98 m) above land-surface datum.

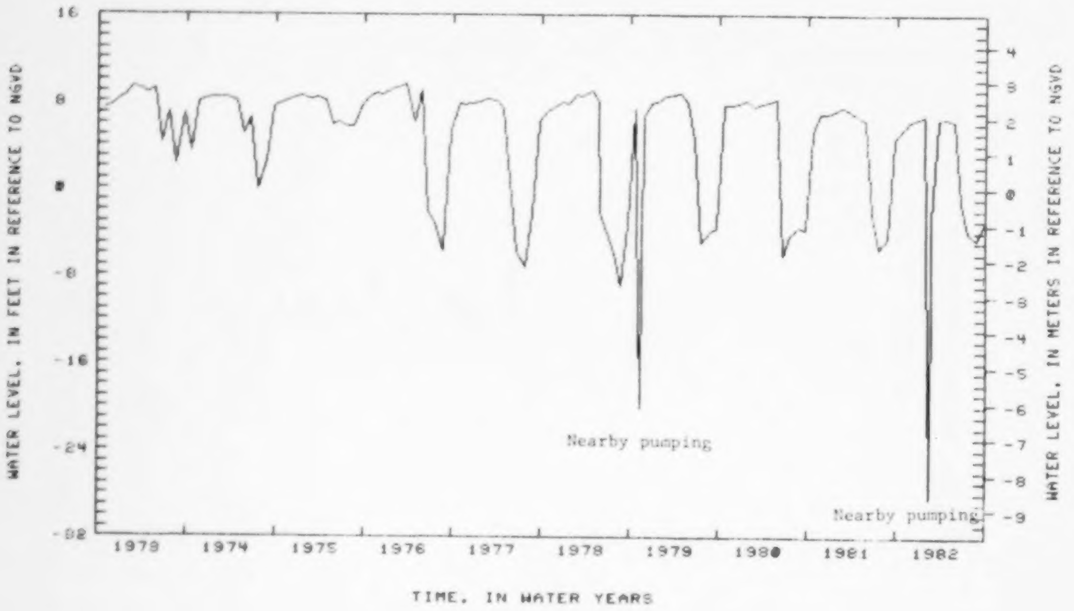
REMARKS.--Water-quality records for 1976 are available in files of Long Island Sub-district office.

PERIOD OF RECORD.--August 1957 to current year. Unpublished records for August 1957 to September 1975 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.58 ft (3.22 m) NGVD, Apr. 25, 1962; lowest measured, -28.36 ft (-8.64 m) NGVD, Feb. 17, 1982.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 24	6.09	JAN 26	6.80	FEB 23	-2.92	APR 23	6.52	JUN 23	-1.17	AUG 26	-4.68
DEC 22	6.42	FEB 17	-28.36	MAR 24	6.46	MAY 24	6.23	JUL 23	-3.98	SEP 22	-3.16



403517073430602. Local number, N 6702.1

LOCATION.--Lat 40°35'17", long 73°43'06", Hydrologic Unit 02030202, at Richard and Park Streets, Atlantic Beach. Owner: U.S. Geological Survey.

AQUIFER.--Magothy (confined).

WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in (0.10 m), depth 677 ft (206 m), screened 666 to 677 ft (203 to 206 m).

DATUM.--Land-surface datum is 11.0 ft (3.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 1.05 ft (0.32 m) above land-surface datum.

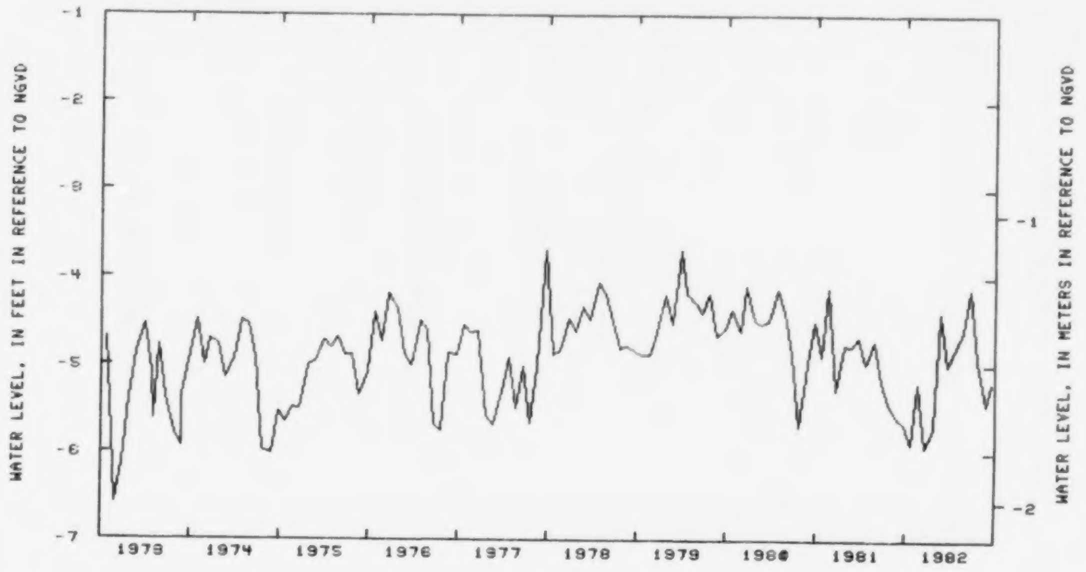
REMARKS.--Water-quality records for 1960 and 1970 are available in files of Long Island Sub-district office.

PERIOD OF RECORD.--August 1959 to current year. Unpublished records for August 1959 to September 1975 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, -2.50 ft (-0.76 m) NGVD, Apr. 13, 1961; lowest measured, -8.50 ft (-2.59 m) NGVD, Jul. 23, 1974.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	-5.90	DEC 21	-5.93	FEB 23	-4.40	MAY 23	-4.60	JUL 21	-4.93	SEP 20	-5.20
NOV 24	-5.20	JAN 22	-5.70	MAR 23	-5.00	JUN 22	-4.14	AUG 23	-5.45		



TIME, IN WATER YEARS

NASSAU COUNTY--Continued

403712073415902. Local number, N 6707.1
LOCATION.--Lat 40°37'12", long 73°41'59", Hydrologic Unit 02030202, at end of Woodmere Boulevard, at the town dock, Woodsburgh. Owner: U.S. Geological Survey.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in (0.10 m), depth 503 ft (153 m), screened 493 to 503 ft (150 to 153 m).
DATUM.--Land-surface datum is 5.0 ft (1.5 m) National Geodetic Vertical Datum of 1929. Measuring Point: Top of coupling, 2.08 ft (0.63 m) above land-surface datum.
REMARKS.--Water-quality records for 1960, 1964, 1970-71, are available in files of Long Island Sub-district office.
PERIOD OF RECORD.--October 1959 to current year. Unpublished records for October 1959 to September 1975 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.52 ft (1.38 m) NGVD, Mar. 13, 1961; lowest measured, -1.33 ft (-0.41 m) NGVD, July 19, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	1.25	DEC 18	1.47	FEB 22	2.53	APR 19	1.54	JUN 19	2.67	AUG 18	1.27
NOV 18	1.78	JAN 18	1.45	MAR 21	1.99	MAY 19	0.79	JUL 18	0.92	SEP 19	1.06

403533073353202. Local number, N 6850.1
LOCATION.--Lat 40°35'33", long 73°35'32", Hydrologic Unit 02030202, at Lido Boulevard, 0.3 mi (0.5 km) west of Loop Parkway, Lido Beach. Owner: U.S. Geological Survey.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in (0.15 m), depth 913 ft (278 m), screened 898 to 909 ft (274 to 277 m).
DATUM.--Land-surface datum is 6.8 ft (2.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 2.40 ft (0.73 m) above land-surface datum.
REMARKS.--Water-quality records for 1960 and 1975 are available in files of Long Island Sub-district office.
PERIOD OF RECORD.--June 1960 to current year. Unpublished records for June 1960 to September 1975 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.00 ft (2.44 m) NGVD, Apr. 13, 1961; lowest measured, 2.69 ft (0.82 m) NGVD, Oct. 27, 1980.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	4.30	DEC 21	4.45	FEB 22	6.00	MAY 23	5.64	JUL 21	5.10	SEP 20	4.70
NOV 22	4.51	JAN 21	4.76	MAR 23	5.40	JUN 22	6.09				

NASSAU COUNTY--Continued

405433073344601. Local number, N 7152.1

LOCATION.--Lat 40°54′33″, Long 73°34′46″, Hydrologic Unit 02030201, at Oak Neck Beach, Bayville. Owner: U.S. Geological Survey.

AQUIFER.--Lloyd (confined).

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in (0.15 m), depth 370 ft (113 m), screened 360 to 370 ft (110 to 113 m).

DATUM.--Land-surface datum is 15.0 ft (4.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of nipple, 3.13 ft (0.95 m) above land-surface datum.

REMARKS.--Water-quality records for 1970 are available in files of Long Island Sub-district office.

PERIOD OF RECORD.--September 1961 to current year. Unpublished records for September 1961 to September 1975 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.74 ft (4.80 m) NGVD, Feb. 5, 1962; lowest measured, -5.00 ft (-1.52 m) NGVD, July 19, 1982.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	9.20	JAN 25	9.15	MAR 23	8.12	MAY 24	6.50	JUL 19	-5.00	AUG 24	2.95
NOV 24	10.28	FEB 23	10.78	APR 22	6.65	JUN 24	7.02	22	1.50	SEP 22	4.95
DEC 27	10.84										

404236073433501. Local number, N 7493.1

LOCATION.--Lat 40°42′36″, long 73°43′35″, Hydrologic Unit 02030202, at Hempstead Turnpike and Cross Island Parkway, Elmont. Owner: Nassau County Department of Public Works.

AQUIFER.--Magothy (confined).

WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in (0.10 m), depth 353 ft (108 m), screened 349 to 353 ft (106 to 108 m).

DATUM.--Land-surface datum is 76.0 ft (23.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of flange, 1.59 ft (0.48 m) above land-surface datum.

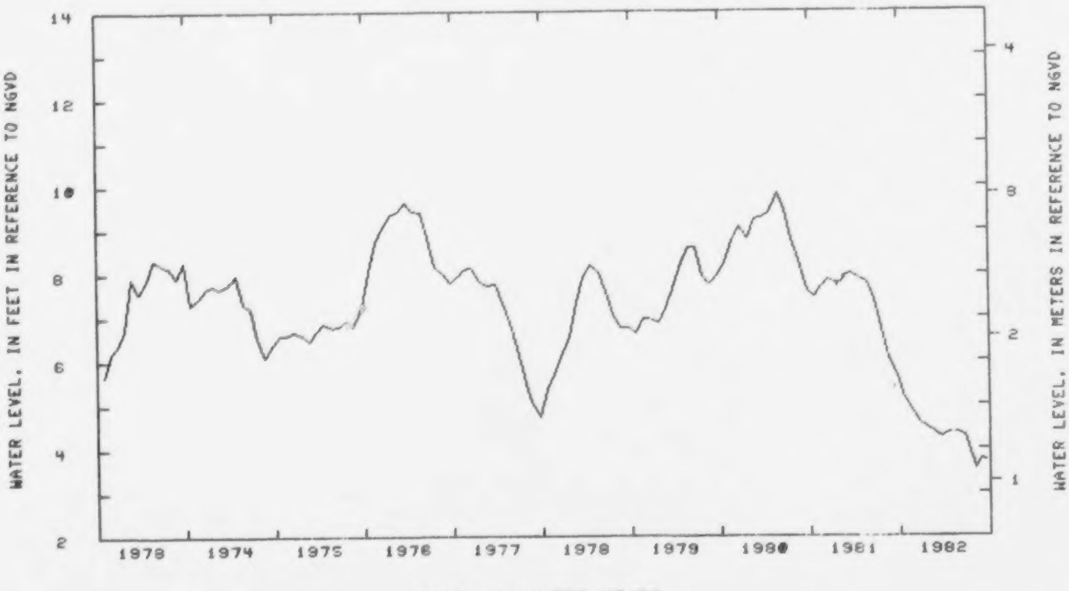
REMARKS.--Water-quality records for 1964, 1967, 1972, are available in files of Long Island Sub-district office.

PERIOD OF RECORD.--April 1964 to current year. Unpublished records for April 1964 to September 1975 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.33 ft (6.20 m) NGVD, Apr. 30, 1964; lowest measured, 3.52 ft (1.07 m) NGVD, Aug. 8, 1982.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	5.14	DEC 21	4.60	MAR 22	4.28	MAY 20	4.37	JUL 20	3.81	AUG 23	3.77
NOV 20	4.88	FEB 22	4.37	APR 21	4.36	JUN 22	4.29	AUG 8	3.52	SEP 20	3.73



NASSAU COUNTY--Continued

405418073324001. Local number, N 7546.1
LOCATION.--Lat 40°54'18", long 73°32'40", Hydrologic Unit 02030201, at West Harbor Drive and Ludlum Avenue, Bayville. Owner: Nassau County Department of Public Works.
AQUIFER.--Lloyd (confined).
WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in (0.10 m), depth 364 ft (111 m), screened 359 to 364 ft (119 to 111 m).
DATUM.--Land-surface datum is 12.0 ft (3.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.87 ft (0.57 m) above land-surface datum.
PERIOD OF RECORD.--October 1964 to current year. Unpublished records for October 1964 to September 1975 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.15 ft (4.01 m) NGVD, Mar. 15, 1975; lowest measured, 2.49 ft (0.76 m) NGVD, July 24, 1977.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	9.31	DEC 26	10.00	FEB 23	10.63	APR 22	8.99	JUN 24	9.28	AUG 23	6.94
NOV 23	9.82	JAN 25	8.82	MAR 23	9.31	MAY 24	9.05	JUL 23	7.08	SEP 21	8.21

403805073395303. Local number, N 7675.1
LOCATION.--Lat 40°38'05", long 73°39'53", Hydrologic Unit 02030202, at Bay Park Sewage Treatment Plant, Bay Park. Owner: Nassau County Department of Public Works.
AQUIFER.--Upper Glacial (water table).
WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in (0.10 m), depth 35 ft (11 m), screened 28 to 34 ft (9 to 10 m).
DATUM.--Land-surface datum is 6.0 ft (1.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.95 ft (0.90 m) above land-surface datum.
REMARKS.--Water-quality records for 1965 are available in files of Long Island Sub-district office.
PERIOD OF RECORD.--June 1966 to current year. Unpublished records for June 1966 to September 1975 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.82 ft (1.16 m) NGVD, Jan. 20, 1979; lowest measured, -1.00 ft (-0.30 m) NGVD, Dec. 22, 1980.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	0.66	DEC 18	0.97	FEB 21	1.29	APR 18	0.99	JUN 19	1.94	AUG 18	0.77
NOV 18	1.08	JAN 19	0.55	MAR 21	1.05	MAY 19	0.83	JUL 18	0.86	SEP 19	0.71

403805073395304. Local number, N 7676.1

LOCATION.--Lat 40°38'05", long 73°39'53", Hydrologic Unit 02030202, at Bay Park Sewage Treatment Plant, Bay Park. Owner: Nassau County Department of Public Works.

AQUIFER.--Upper Glacial (water table).

WELL CHARACTERISTICS.--Driven observation well, diameter 4 in (0.10 m), depth 10 ft (3 m), screened 7 to 10 ft (2.1 to 3.0 m).

DATUM.--Land-surface datum is 6.0 ft (1.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.33 ft (1.01 m) above land-surface datum.

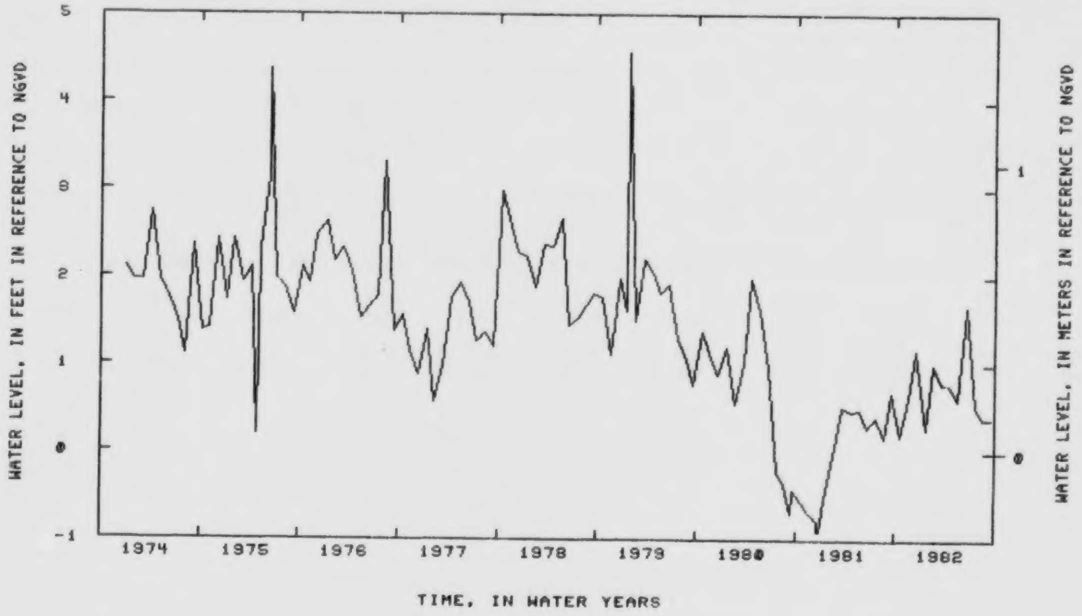
REMARKS.--Water-quality records for 1965 are available in files of Long Island Sub-district office.

PERIOD OF RECORD.--February 1966 to current year. Unpublished records for February 1966 to September 1975 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.56 ft (1.39 m) NGVD, Jan. 25, 1979; lowest measured, -0.90 ft (-0.27 m) NGVD, Dec. 22, 26, 27, 1980.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	0.18	DEC 18	1.17	FEB 22	1.00	APR 19	0.79	JUN 21	1.66	AUG 19	0.38
NOV 19	0.63	JAN 22	0.27	MAR 22	0.78	MAY 19	0.60	JUL 19	0.54	SEP 20	0.38



403805073395303. Local number, N 7677.1.
LOCATION.--lat 40°38'05", long 73°39'53", Hydrologic Unit 02030202, at Bay Park Sewage Treatment Plant, Bay Park. Owner: Nassau County Department of Public Works.
AQUIFER.--Upper Glacial (water table).
WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in (0.10 m), depth 89 ft (27 m), screened 84 to 89 ft (26 to 27 m).
DATUM.--Land-surface datum is 6.0 ft (1.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.66 ft (0.81 m) above land-surface datum.
REMARKS.--Water-quality records for 1965 and 1973 are available in files of Long Island Sub-district office.
PERIOD OF RECORD.--March 1966 to current year. Unpublished records for March 1966 to September 1975 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.94 ft (1.20 m) NGVD, Jan. 25, 1979; lowest measured, -0.88 ft (-0.27 m) NGVD, Dec. 22, 1980.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	0.85	DEC 18	1.17	FEB 21	1.64	APR 18	1.26	JUN 19	2.15	AUG 18	1.03
NOV 18	1.31	JAN 18	0.86	MAR 21	1.33	MAY 19	1.03	JUL 18	1.05	SEP 19	0.98

403803073395406. Local number, N 7888.1.
LOCATION.--Lat 40°38'03", long 73°39'54", Hydrologic Unit 02030202, at Bay Park Sewage Treatment Plant, Bay Park. Owner: Nassau County Department of Public Works.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in (0.10 m), depth 327 ft (100 m), screened 307 to 317 ft (94 tu 97 m).
DATUM.--Land-surface datum is 6.0 ft (1.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 5.56 ft (1.69 m) above land-surface datum.
REMARKS.--Water-quality records for 1965-70, 1972-73, are available in files of Long Island Sub-district office.
PERIOD OF RECORD.--November 1966 to current year. Unpublished records for November 1966 to September 1975 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.79 ft (1.46 m) NGVD, Feb. 6, 1978; lowest measured, 0.38 ft (0.12 m) NGVD, July 18, 19, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	2.09	DEC 18	2.47	FEB 21	3.35	APR 18	2.69	JUN 19	3.34	AUG 18	1.99
NOV 18	2.70	JAN 18	2.40	MAR 21	2.88	MAY 19	1.94	JUL 18	1.61	SEP 19	1.95

403804073395201. Local number, N 8022.1.
LOCATION.--Lat 40°38'04", long 73°39'52", Hydrologic Unit 02030202, at Bay Park Sewage Treatment Plant, Bay Park. Owner: Nassau County Department of Public Works.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in (0.15 m), depth 490 ft (149 m), screened 420 to 480 ft (128 to 146 m).
DATUM.--Land-surface datum is 6.0 ft (1.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 4.10 ft (1.25 m) above land-surface datum.
REMARKS.--Water-quality records for 1972-74 are available in files of Long Island Sub-district office.
PERIOD OF RECORD.--May 1966 to current year. Unpublished records for May 1966 to September 1975 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.80 ft (1.46 m) NGVD, Feb. 6, 1978; lowest measured, +0.21 ft (0.06 m) NGVD, July 18, 19, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	2.10	DEC 18	2.82	FEB 21	3.43	APR 18	2.74	JUN 19	3.31	AUG 18	1.92
NOV 18	2.74	JAN 18	2.53	MAR 21	2.95	MAY 19	1.92	JUL 18	1.45	SEP 19	1.88

404947073450301. Local number, N 8046.1

LOCATION.--Lat 40°49'47", long 73°45'03", Hydrologic Unit 02030201, at Pond and Kings Point Roads, Kings Point. Owner: Nassau County Department of Public Works.

AQUIFER.--Port Washington (confined). Previously reported as Jameco Aquifer.

WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in (0.10 m), depth 189 ft (58 m), screened 184 to 189 ft (56 to 58 m).

DATUM.--Land-surface datum is 8.0 ft (2.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.66 ft (1.12 m) above land-surface datum.

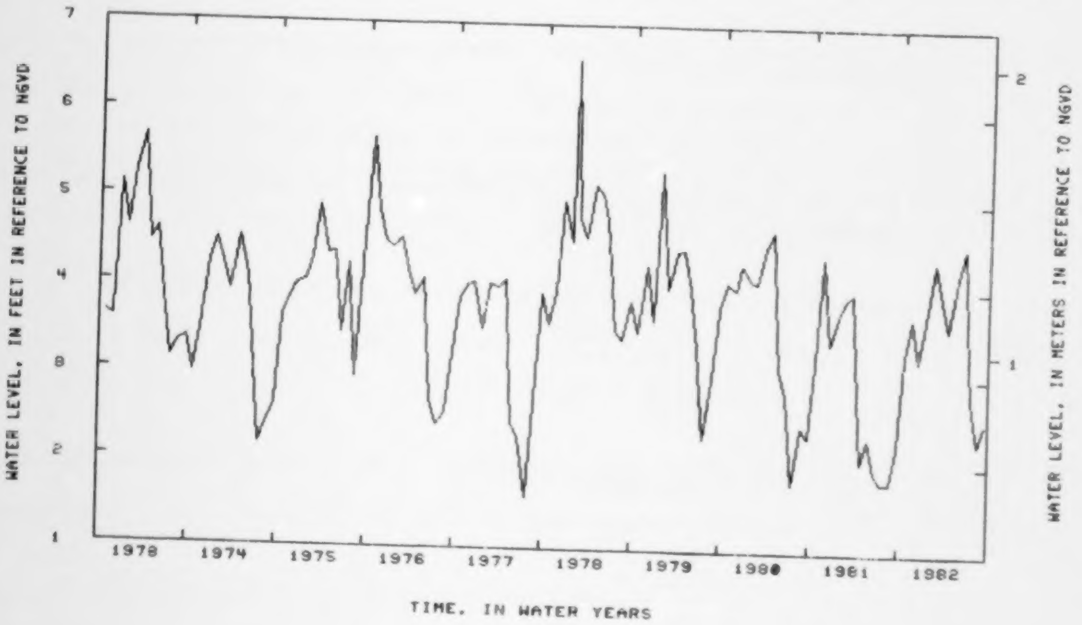
REMARKS.--Water-quality records for 1966 and 1976 are available in files of Long Island Sub-district office.

PERIOD OF RECORD.--May 1966 to current year. Unpublished records for May 1966 to September 1975 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.60 ft (2.01 m) NGVD, Feb. 6, 1978; lowest measured, -1.20 ft (-0.37 m) NGVD, July 19, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	3.26	DEC 21	3.20	FEB 22	4.33	APR 22	3.56	JUN 23	4.50	AUG 22	2.27
NOV 23	3.68	JAN 23	3.82	MAR 23	3.91	MAY 23	4.19	JUL 23	2.79	SEP 20	2.50



404535073370002. Local number, N 8269.2.

LOCATION.--Lat 40°45'35", long 73°37'00", Hydrologic Unit 02030202, at Hillside Avenue and Bacon Road, Old Westbury. Owner: Nassau County Department of Public Works.

AQUIFER.--Magothy (water table).

WELL CHARACTERISTICS.--Driven observation well, diameter 4 in (0.10 m), depth 86 ft (26 m), screened 81 to 86 ft (25 to 26 m).

DATUM.--Land-surface datum is 111.7 ft (34.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.15 ft (0.05 m) below land-surface datum.

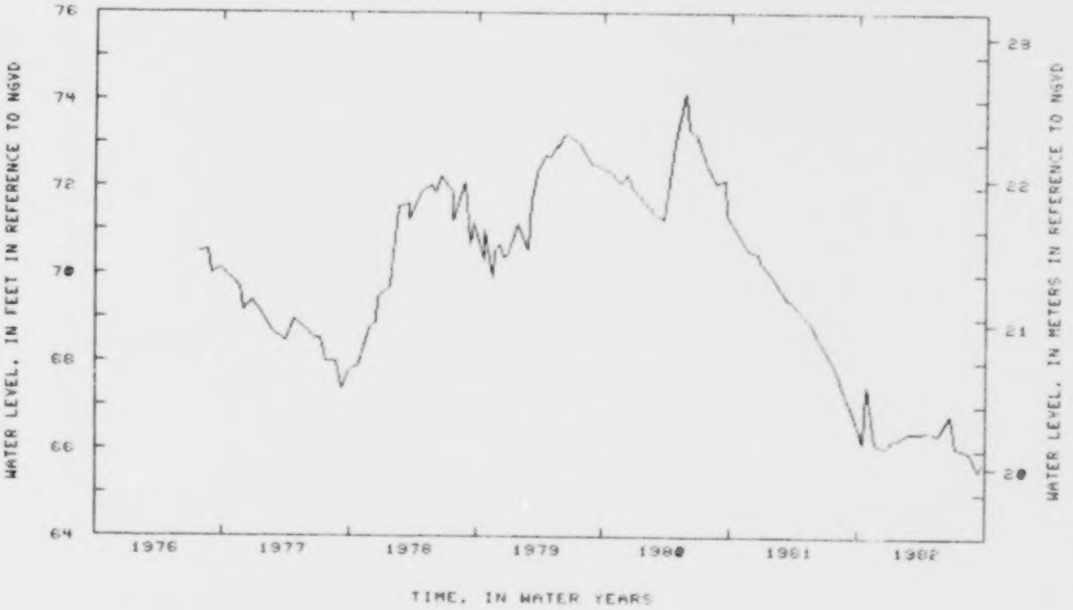
REMARKS.--Prior to April 1976, well was in upper glacial aquifer. Well N 1256.1 was replaced by well N 8269.1 in April 1967, which was replaced by well N 8269.2 in June 1976.

PERIOD OF RECORD.--June 1936 to current year. Unpublished records for June 1936 to September 1975 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 80.97 ft (24.68 m) NGVD, May 20, 1939; lowest measured, 60.83 ft (18.54 m) NGVD, Sept. 29, 1971.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	66.15 G	DEC 21	66.05	FEB 24	66.41	MAY 18	66.37	JUL 21	66.03	SEP 10	65.53 G
27	67.45	JAN 12	66.27 G	MAR 22	66.40	JUN 23	66.79	AUG 19	65.95	20	65.69
NOV 20	66.18	25	66.25	APR 22	66.44	JUL 9	66.05 G				



G MEASUREMENT BY ANOTHER AGENCY

NASSAU COUNTY--Continued

404742073410301. Local number, N 8309.1

LOCATION.--Lat 40°47'42", long 73°41'03", Hydrologic Unit 02030201, at Northern Boulevard and Manhasset Woods Road, Munsey Park. Owner: Nassau County Department of Public Works.

AQUIFER.--Magothy (water table).

WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in (0.10 m), depth 199 ft (61 m), screened 194 to 199 ft (59 to 61 m).

DATUM.--Land-surface datum is 143.2 ft (43.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.15 ft (0.05 m) below land-surface datum.

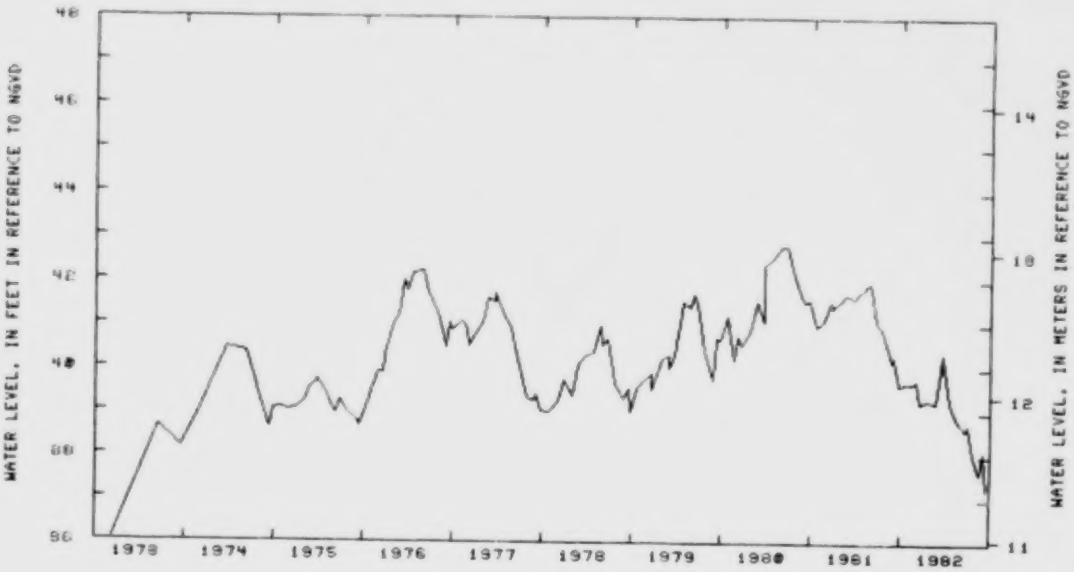
REMARKS.--Replaced well N 1121.2 in March 1967 at same location.

PERIOD OF RECORD.--March 1967 to current year. Unpublished records for March 1967 to September 1975 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 42.81 ft (13.05 m) NGVD, June 20, 1980; lowest measured, 33.53 ft (10.22 m) NGVD, Sept. 23, 1968.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	39.68	DEC 21	39.25	MAR 17	40.05 G	MAY 18	38.83	JUL 21	38.02	AUG 31	38.10 G
NOV 20	39.65	JAN 25	39.30	22	40.32	JUN 23	38.59	AUG 19	37.60	SEP 20	37.25
DEC 8	39.72 G	FEB 24	39.25	APR 22	39.22	28	38.75 G				



TIME, IN WATER YEARS

G MEASUREMENT BY ANOTHER AGENCY

404404073325601. Local number, N 8959.1.

LOCATION.--Lat 40°44'04", long 73°32'56", Hydrologic Unit 02030202, at Meadowbrook Hospital Sewage Treatment Plant, East Meadow. Owner: Nassau County Department of Public Works.

AQUIFER.--Upper Glacial (water table).

WELL CHARACTERISTICS.--Drilled observation well, diameter 2 in (0.05 m), depth 49 ft (15 m), screened 44 to 49 ft (13 to 15 m).

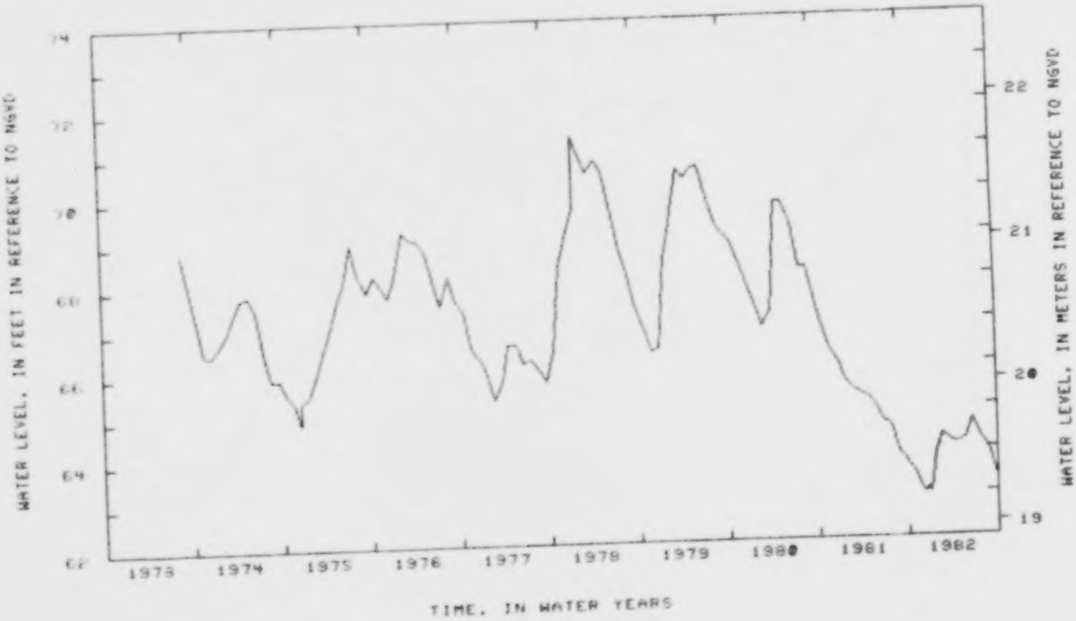
DATUM.--Land-surface datum is 100.3 ft (30.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of reducer, 2.87 ft (0.87 m) above land-surface datum.

PERIOD OF RECORD.--December 1972 to current year. Unpublished records for December 1972 to September 1975 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water-level measured, 71.35 ft (21.75 m) NGVD, Jan. 27, 1978; lowest measured, 62.99 ft (19.20 m) NGVD, Dec. 14, 1981, Jan. 1, 1982.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	63.50	DEC 28	63.09	FEB 26	64.34	APR 26	64.12	JUN 25	64.67	AUG 27	64.04
NOV 30	63.11	JAN 1	62.99	MAR 26	64.18	MAY 26	64.21	JUL 27	64.21	SEP 24	63.44
DEC 14	62.99	26	63.91								



404757073440402. Local number, N 9099.1

LOCATION.--Lat 40°47'57", long 73°44'04", Hydrologic Unit 02030201, at Middle Neck Road and Preston Road, Great Neck. Owner: Nassau County Department of Public Works.

AQUIFER.--Upper Glacial (water table).

WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in (0.10 m), depth 71 ft (22 m), screened 66 to 71 ft (20 to 22 m).

DATUM.--Land-surface datum is 59.7 ft (18.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.07 ft (0.02 m) below land-surface datum.

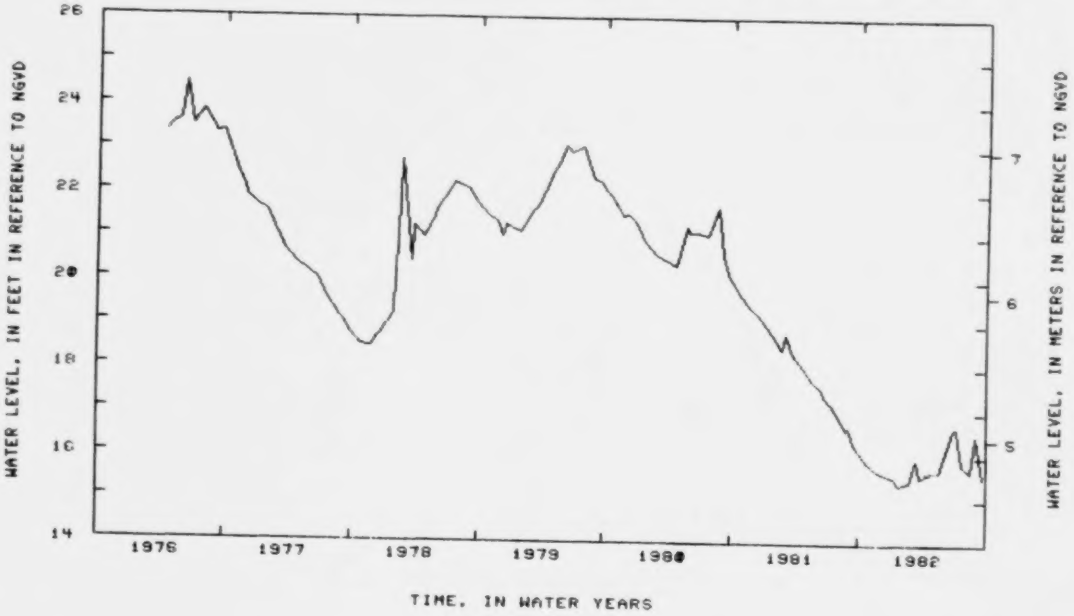
REMARKS.--Replaced well N 1479.1 in February 1976. Water-quality records for 1976 are available in files of Long Island Sub-district office.

PERIOD OF RECORD.--September 1944 to current year. Unpublished records for September 1944 to December 1975 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 27.32 ft (8.33 m) NGVD, June 15, 1949; lowest measured, 15.07 ft (4.59 m) above NGVD, Dec. 23, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	15.87	JAN 8	15.54 G	MAR 16	15.93 G	MAY 18	15.67	JUL 21	15.85	SEP 1	16.50 G
NOV 20	15.71	25	15.38	22	15.55	JUN 30	16.63	AUG 19	15.68	20	15.53
DEC 21	15.59	FEB 24	15.45	APR 22	15.66	JUL 8	16.66 G				



G MEASUREMENT BY ANOTHER AGENCY

NASSAU COUNTY--Continued

404112073421003. Local number, N 9309.1

LOCATION.--Lat 40°41'12", long 73°42'10", Hydrologic Unit 02030202, at Dutch Broadway and Fletcher Avenue, Elmont. Owner: Nassau County Department of Public Works.

AQUIFER.--Upper Glacial (water table).

WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in (0.10 m), depth 59 ft (18 m), screened 54 to 59 ft (16.4 to 18.0 m).

DATUM.--Land-surface datum is 42.7 ft (13.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.64 ft (0.21 m) below land-surface datum.

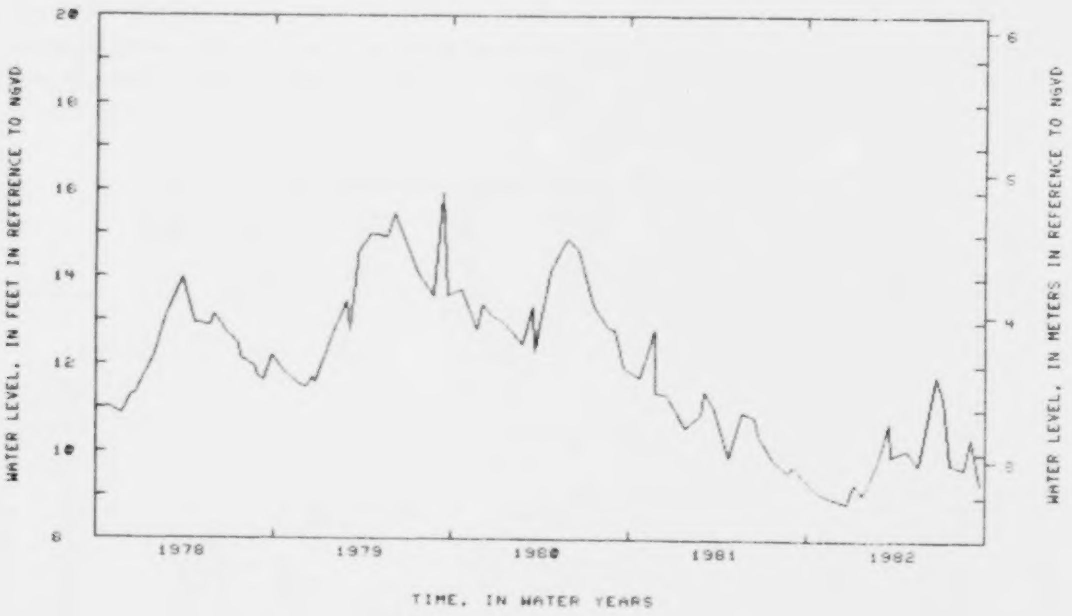
REMARKS.--Replaced well N 1109.2 in October 1977 at same location.

PERIOD OF RECORD.--April 1939 to current year. Unpublished records for April 1939 to September 1975 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 30.04 ft (9.16 m) NGVD, Apr. 21, 1939; lowest measured, 8.88 ft (2.71 m) NGVD, Dec. 21, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	9.09	JAN 8	9.29 G	MAR 16	10.69 G	MAY 18	9.73	JUL 21	9.78	SEP 1	10.36 G
NOV 24	8.96	25	9.06	22	9.95	JUN 23	11.76	AUG 19	9.66	20	9.31
DEC 21	8.88	FEB 24	9.78	APR 22	10.10	JUL 8	11.29 G				



G MEASUREMENT BY ANOTHER AGENCY

QUEENS COUNTY

404451073475001. Local number, Q 283.1

LOCATION.--Lat 40°44'51", long 73°47'50", Hydrologic Unit 02030201, at Underhill Avenue and 171st Street, Flushing. Owner: City of New York, Department of Water Supply, Gas and Electricity.

AQUIFER.--Lloyd (confined).

WELL CHARACTERISTICS.--Drilled unused well, diameter 26 in (0.66 m), depth 409 ft (125 m), screened 309 to 352 ft (94 to 107 m), 367 to 409 ft (112 to 125 m).

DATUM.--Land-surface datum is 27.0 ft (8.23 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of iron plate, 0.37 ft (0.11 m) above land-surface datum.

PERIOD OF RECORD.--June 1946 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.13 ft (0.34 m) NGVD, Mar. 28, 1961; lowest measured, -27.40 ft (-8.35 m) NGVD, Sept. 14, 1976.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 30	-11.73	JAN 18	-25.62	FEB 5	-9.09	MAR 23	-12.16	JUN 29	-11.46		

404418073344101. Local number, Q 577.1

LOCATION.--Lat 40°44'18", long 73°43'41", Hydrologic Unit 02030201, at Creedmoor State Hospital, near the intersection of Hillside Avenue and Cross Island Parkway, Bellrose. Owner: State of New York.

AQUIFER.--Lloyd (confined).

WELL CHARACTERISTICS.--Drilled observation well, diameter 12 in (0.30 m), depth 644 ft (196 m), screen assumed at bottom.

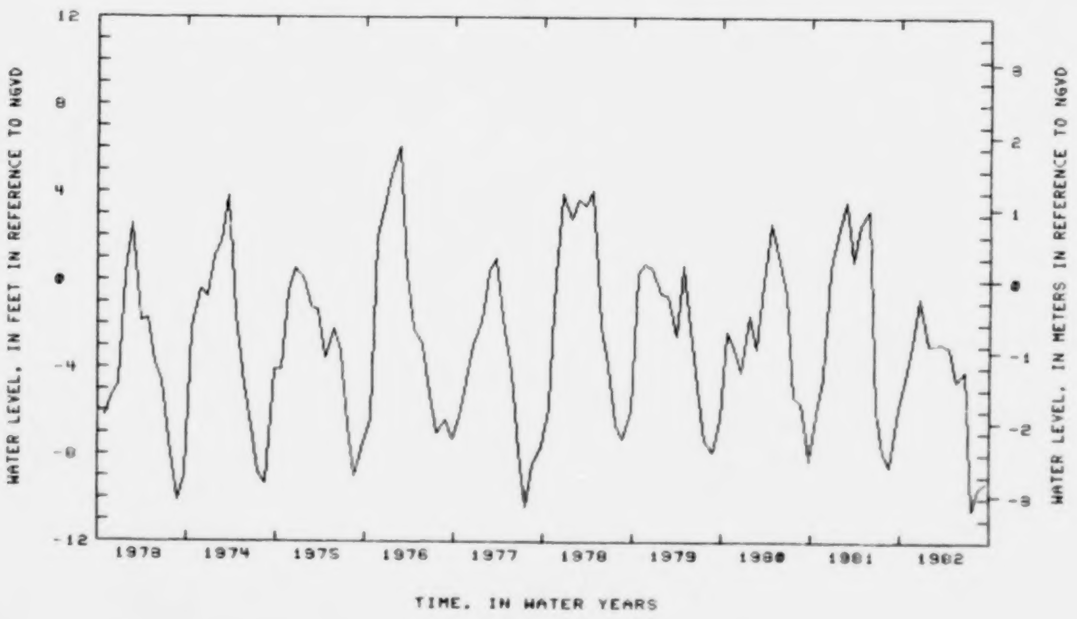
DATUM.--Land-surface datum is 113.1 ft (34.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.45 ft (0.44 m) above land-surface datum.

PERIOD OF RECORD.--February 1946 to current year. Unpublished records for February 1946 to September 1975 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.65 ft (2.94 m) NGVD, Mar. 13, 1959; lowest measured, -19.74 ft (-6.02 m) NGVD, Jul. 27, 1954.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

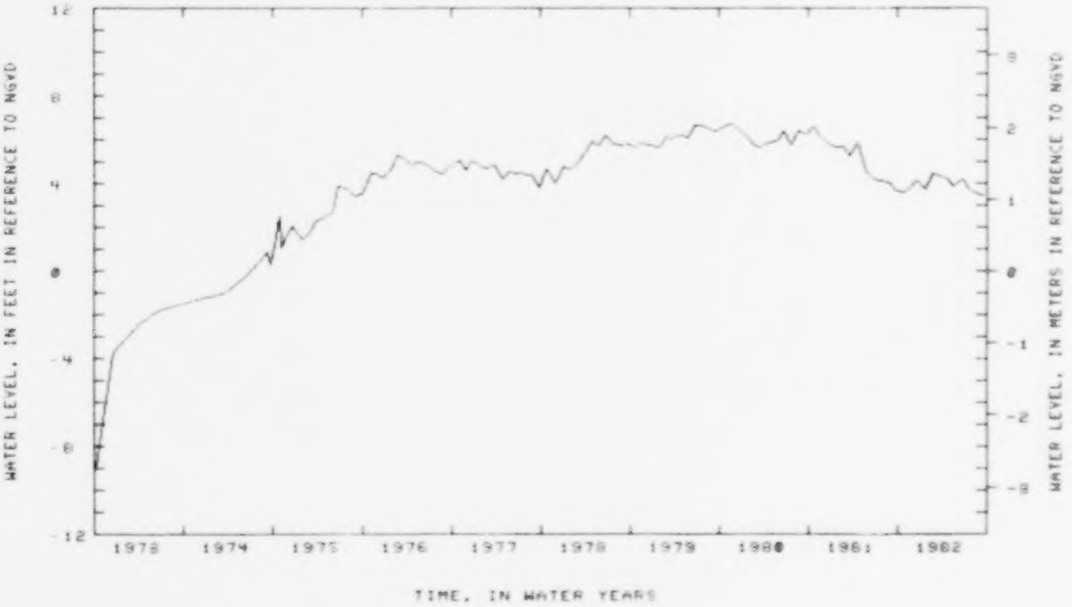
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	-4.46	DEC 18	-0.83	FEB 19	-2.90	APR 21	-3.09	JUN 22	-4.14	AUG 20	-9.50
NOV 19	-2.84	JAN 25	-2.90	MAR 23	-2.86	MAY 20	-4.62	JUL 20	-10.54	SEP 20	-9.28



404113073501101. Local number, Q 1254.1.
LOCATION.--Lat 40°41'13", long 73°50'11", Hydrologic Unit 02030202, at 108th Street and 101st Avenue, Woodhaven.
Owner: New York City.
AQUIFER.--Upper Glacial (water table).
WELL CHARACTERISTICS.--Driven observation well, diameter 1.5 in (0.04 m), depth 65 ft (20 m), screened 63 to 65 ft (19 to 20 m).
DATUM.--Land-surface datum is 56.0 ft (17.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 10.46 ft (3.19 m) below land-surface datum.
PERIOD OF RECORD.--October 1940 to current year. Unpublished records for October 1940 to December 1954, January 1956 to December 1957, March 1959 to September 1975, are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.74 ft (2.05 m) NGVD, Nov. 23, 1979; lowest measured, -11.29 ft (-3.44 m) NGVD, Sept. 2, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	3.58	DEC 21	4.14	FEB 24	4.44	MAY 18	3.84	JUL 21	3.71	SEP 20	3.44
NOV 24	3.83	JAN 25	3.74	APR 22	4.24	JUN 23	4.19	AUG 19	3.54		



QUEENS COUNTY--Continued

404656073503701 Local number, Q 1373.1

LOCATION.--Lat 40°46'56", long 73°50'37", Hydrologic Unit 02030201, at 127th Street and 20th Avenue, College Point. Owner: Moduleire Components Corporation.

AQUIFER.--Lloyd (confined).

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in (0.15 m), depth 262 ft (80 m), screened 194 to 206 ft (59 to 63 m).

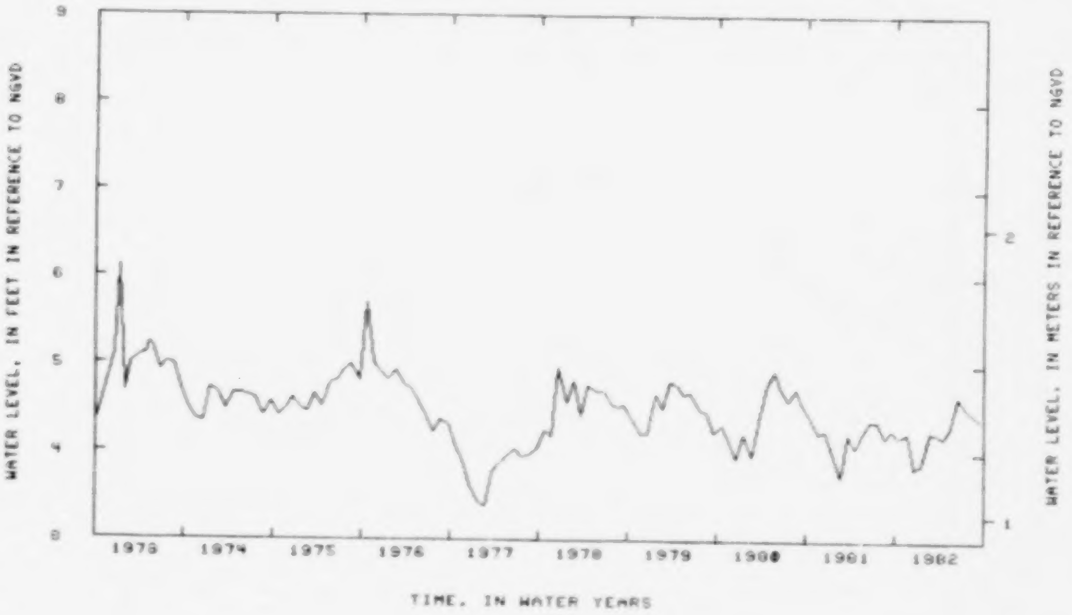
DATUM.--Land-surface datum is 50.3 ft (15.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 1.06 ft (0.32 m) below land-surface datum.

PERIOD OF RECORD.--January 1946 to current year. Unpublished records for 1946-48, 1950, 1952-53, 1962, 1968-73, are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.12 ft (1.87 m) NGVD, Jan. 10, 1973; lowest measured, -2.80 ft (-0.85 m) NGVD, Feb. 7, 1962.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	4.19	DEC 17	3.83	FEB 19	4.25	APR 18	4.19	JUN 18	4.65	AUG 19	4.45
NOV 18	4.24	JAN 18	3.89	MAR 18	4.23	MAY 19	4.34	JUL 19	4.52	SEP 19	4.38



403957073495002 Local number, Q 2324.1

LOCATION.--Lat 40°39'57", long 73°49'50", Hydrologic Unit 02030202, at North Conduit Avenue and 114th Street, South Ozone Park. Owner: New York Racing Association, Inc.

AQUIFER.--Upper Glacial (water table).

WELL CHARACTERISTICS.--Driven observation well, diameter 2.5 in (0.06 m), depth 91 ft (28 m), screen assumed at bottom.

DATUM.--Land-surface datum is 22.0 ft (6.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, .04 ft (0.01 m) above land-surface datum.

REMARKS.--Water-quality records for 1970 are available in files of Long Island Sub-district office.

PERIOD OF RECORD.--March 1959 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.56 ft (1.08 m) NGVD, Sept. 24, 1980; lowest measured, -3.40 ft (-1.04 m) NGVD, May 25, 1959.

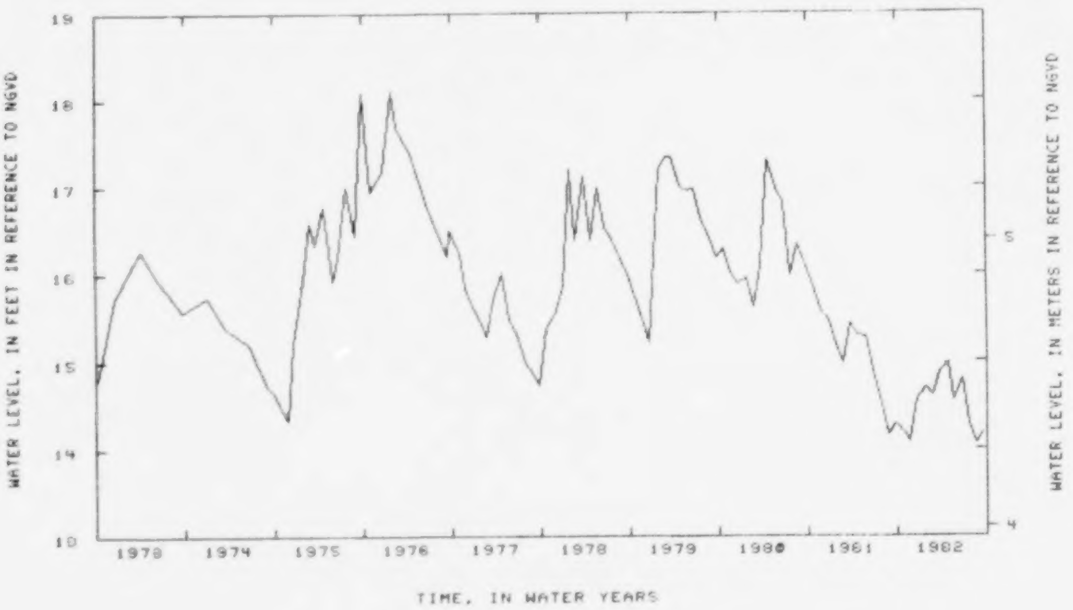
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 29	1.96	MAR 23	2.16	JUN 29	1.96						

404451073475002. Local number, Q 2346.1
LOCATION.--Lat 40°44'51", long 73°47'50", Hydrologic Unit 02030201, at Underhill Avenue and Fresh Meadow Lane, Flushing. Owner: New York City.
AQUIFER.--Upper Glacial (water table).
WELL CHARACTERISTICS.--Driven observation well, diameter 1.25 in (0.03 m), depth 17.0 ft (5.2 m), screen assumed at bottom.
DATUM.--Land-surface datum is 29.0 ft (8.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.98 ft (0.30 m) above land-surface datum.
PERIOD OF RECORD.--August 1960 to current year. Unpublished records for August 1960 to September 1975 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 21.99 ft (6.70 m) NGVD, Apr. 26, 1961; lowest measured, 13.96 ft (4.26 m) NGVD, Nov. 4, 1970.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	14.18	DEC 21	14.56	FEB 24	14.61	APR 27	14.98	JUN 23	14.80	AUG 19	14.07
NOV 24	14.08	JAN 25	14.70	MAR 22	14.88	MAY 18	14.55	JUL 21	14.28	SEP 20	14.18

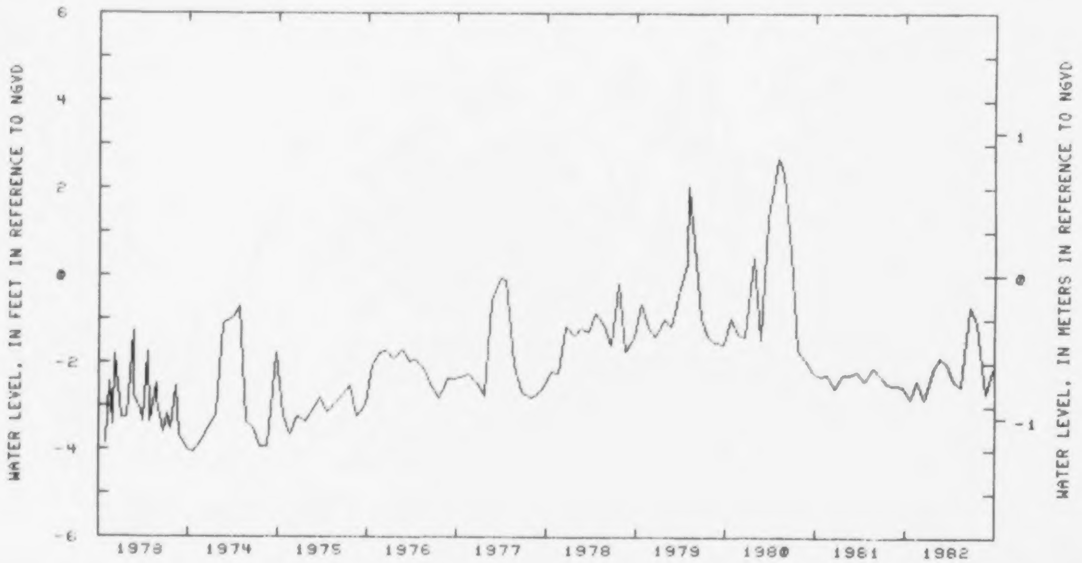


QUEENS COUNTY--Continued

404025073463801 Local number, Q 2422.1
LOCATION.--Lat 40°40'25", long 73°46'38", Hydrologic Unit 02030202, at New York Boulevard and 132nd Avenue, Jamaica. Owner: Jamaica Water Supply Company.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled observation well, diameter 8 in (0.20 m) depth 370 ft (113 m), screened 342 to 362 ft (104 to 110 m).
DATUM.--Land-surface datum is 21.0 ft (6.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of nipple, 1.21 ft (0.37 m) above land-surface datum.
REMARKS.--Water-quality records for 1970 are available in files of Long Island Sub-district office.
PERIOD OF RECORD.--October 1964 to current year. Unpublished records for October 1964 to September 1975 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.69 ft (0.82 m) NGVD, May 6, 1980; lowest measured, -5.65 ft (-1.72 m) NGVD, Sep. 7, 1970.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	-2.83	DEC 21	-2.84	FEB 19	-1.87	APR 21	-2.40	JUN 22	-0.70	AUG 23	-2.70
NOV 20	-2.40	JAN 25	-2.16	MAR 23	-1.99	MAY 20	-2.54	JUL 20	-1.06	SEP 21	-2.14



TIME, IN WATER YEARS

SUFFOLK COUNTY

404213073201001. Local number, S 1803.1

LOCATION.--Lat 40°42'13", long 73°20'10", Hydrologic Unit 02030202, at Little East Neck Road and State Highway 109, Babylon. Owner: New York State Department of Transportation.

AQUIFER.--Upper Glacial (water-table).

WELL CHARACTERISTICS.--Driven observation well, diameter 1.25 in (0.03 m), depth 19 ft (6 m), screened 16 to 19 ft (5 to 6 m).

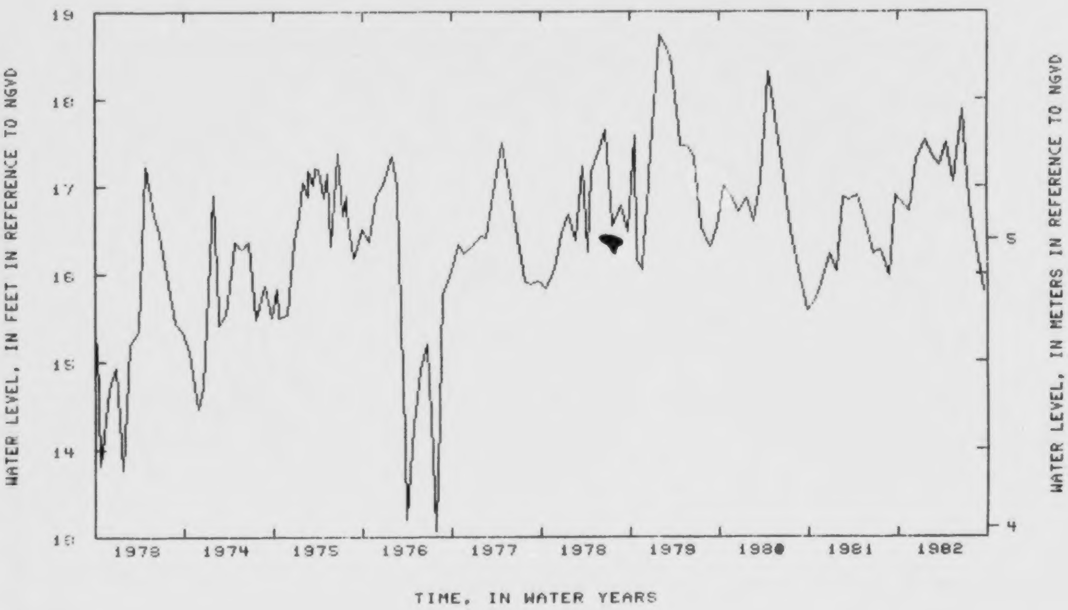
DATUM.--Land-surface datum is 23.7 ft (7.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.08 ft (0.02 m) above land-surface datum.

PERIOD OF RECORD.--October 1912 to current year. Unpublished records for October 1912 to November 1914, August and September 1932, June 1936 to September 1975, are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.74 ft (5.71 m) NGVD, Jan. 29, 1979; lowest measured, 13.06 ft (3.98 m) NGVD, July 26, 1976.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	16.79	DEC 21	17.31	FEB 24	17.35	APR 22	17.50	JUN 23	17.88	AUG 19	16.28
NOV 20	16.71	JAN 25	17.53	MAR 22	17.25	MAY 18	17.05	JUL 21	16.83	SEP 20	15.80



404301073240904. Local number, S 1805.1

LOCATION.--Lat 40°43'01", long 73°24'09", Hydrologic Unit 02030202, at State Highway 104 and Albany Road, Maywood. Owner: New York State Department of Transportation.

AQUIFER.--Upper Glacial (water-table).

WELL CHARACTERISTICS.--Driven observation well, diameter 2 in (0.05 m), depth 33 ft (10 m), screen assumed at bottom.

DATUM.--Land-surface datum is 58.2 ft (17.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.22 ft (1.06 m) above land-surface datum.

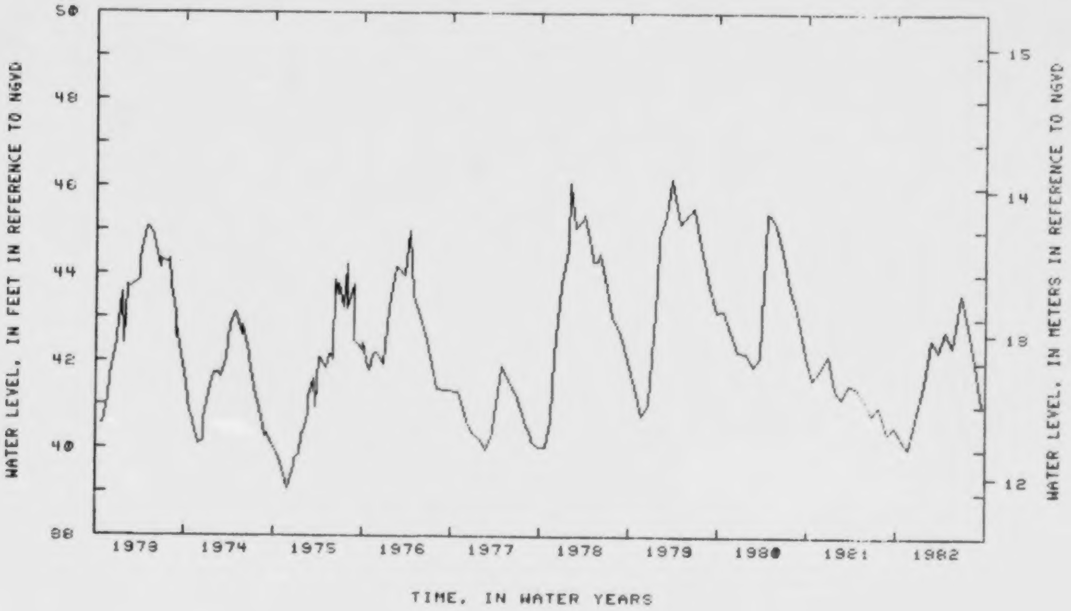
REMARKS.--Replaced S 1805.1 in August 1941 at same location.

PERIOD OF RECORD.--October 1912 to current year. Unpublished records for October 1912 to September 1975 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 47.17 ft (14.38 m) NGVD, Apr. 28, 1953; lowest measured, 35.79 ft (10.91 m) NGVD, Dec. 28, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	40.17	DEC 21	40.70	FEB 24	42.52	APR 22	42.72	JUN 23	43.56	AUG 19	41.99
NOV 20	40.02	JAN 25	41.55	MAR 22	42.27	MAY 18	42.38	JUL 21	42.87	SEP 20	41.03



404442073240501. Local number, S 1806.1

LOCATION.--Lat 40°44'42", long 73°24'05", Hydrologic Unit 02030202, at Conklin Street and Wellwood Avenue, Pinelawn. Owner: Suffolk County Department of Public Works.

AQUIFER.--Upper Glacial (water-table).

WELL CHARACTERISTICS.--Driven observation well, diameter 1.25 in (0.03 m), depth 44 ft (13 m), screened 41 to 44 ft (12 to 13 m).

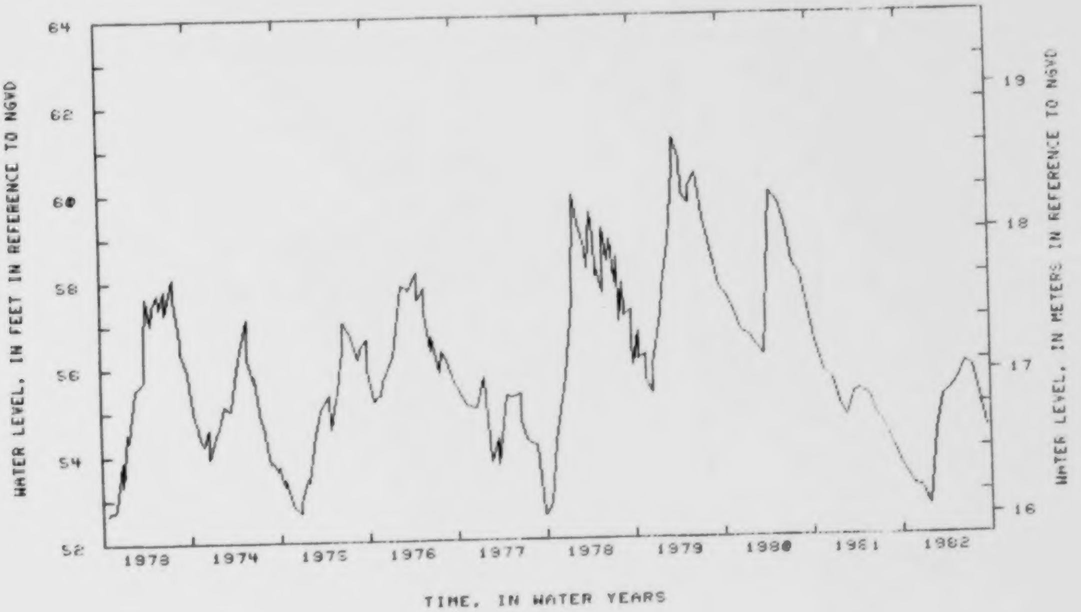
DATUM.--Land-surface datum is 85.7 ft (26.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.19 ft (0.06 m) below land-surface datum.

PERIOD OF RECORD.--October 1912 to current year. Unpublished records for October 1912 to November 1914, May 1932 to September 1975 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 61.68 ft (18.80 m) NGVD, Apr. 29, 1939; lowest measured, 46.97 ft (14.32 m) NGVD, Jan. 25, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	53.34	DEC 21	53.11	FEB 24	54.33	APR 22	55.29	JUN 23	55.92	AUG 19	55.18
NOV 20	53.14	JAN 25	52.68	MAR 22	55.16	MAY 18	55.51	JUL 21	55.84	SEP 20	54.43



404319073184605 Local number, S 1807.1

LOCATION.--Lat 40°43'19", long 73°18'46", Hydrologic Unit 02030202, at Higbie Lane and Martin Drive, West Islip. Owner: Town of Islip.

AQUIFER.--Upper Glacial (water-table).

WELL CHARACTERISTICS.--Driven observation well, diameter 1.25 in (0.03 m), depth 21 ft (6 m), screen assumed at bottom.

DATUM.--Land-surface datum is 23.0 ft (7.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.21 ft (0.06 m) above land-surface datum.

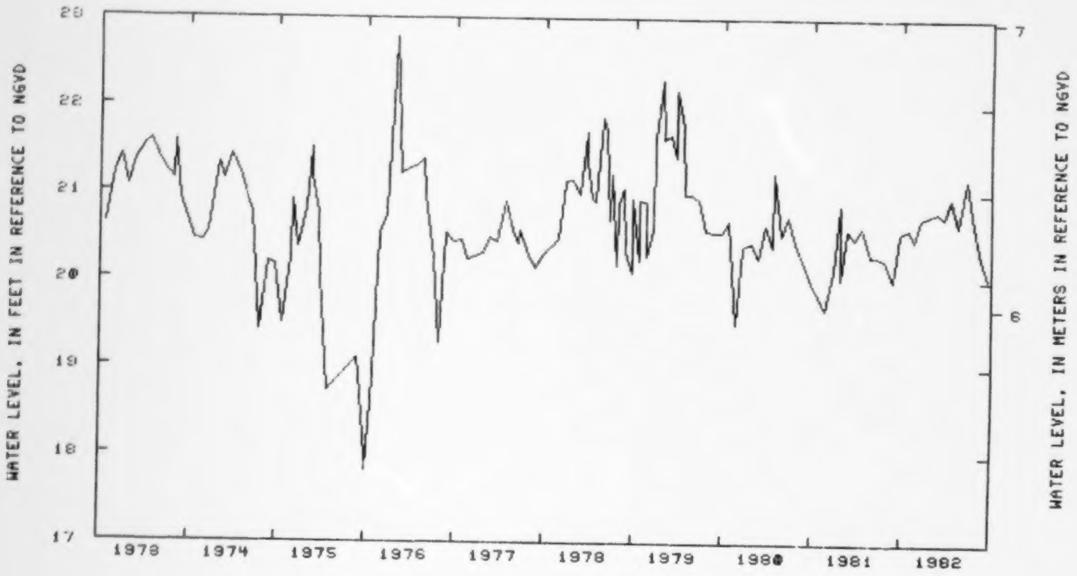
REMARKS.--Water-quality records for 1972-73 are available in files of Long Island Sub-district office. Replaced well S 1807.4 in July 1976 at same location.

PERIOD OF RECORD.--October 1912 to current year. Unpublished records for October 1912 to November 1914, August 1932 to June 1933, and June 1936 to September 1975, are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 23.06 ft (7.03 m) NGVD, Sept. 30, 1938; lowest measured, 17.27 ft (5.26 m) NGVD, July 23, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	20.60	DEC 21	20.71	MAR 22	20.74	MAY 18	20.64	JUL 21	20.65	SEP 20	20.03
NOV 20	20.47	FEB 24	20.80	APR 22	20.95	JUN 23	21.16	AUG 19	20.26		



TIME, IN WATER YEARS

404221073164805 Local number, S 1808.1

LOCATION.--Lat 40°42'21", long 73°16'48", Hydrologic Unit 02030202, at Manor and Bardolier Lanes, West Islip. Owner: Town of Islip.

AQUIFER.--Upper Glacial (water-table).

WELL CHARACTERISTICS.--Driven observation well, diameter 1.25 in (0.03 m), depth 11 ft (3 m), screen assumed at bottom.

DATUM.--Land-surface datum is 13.0 ft (4.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.32 ft (0.10 m) above land-surface datum.

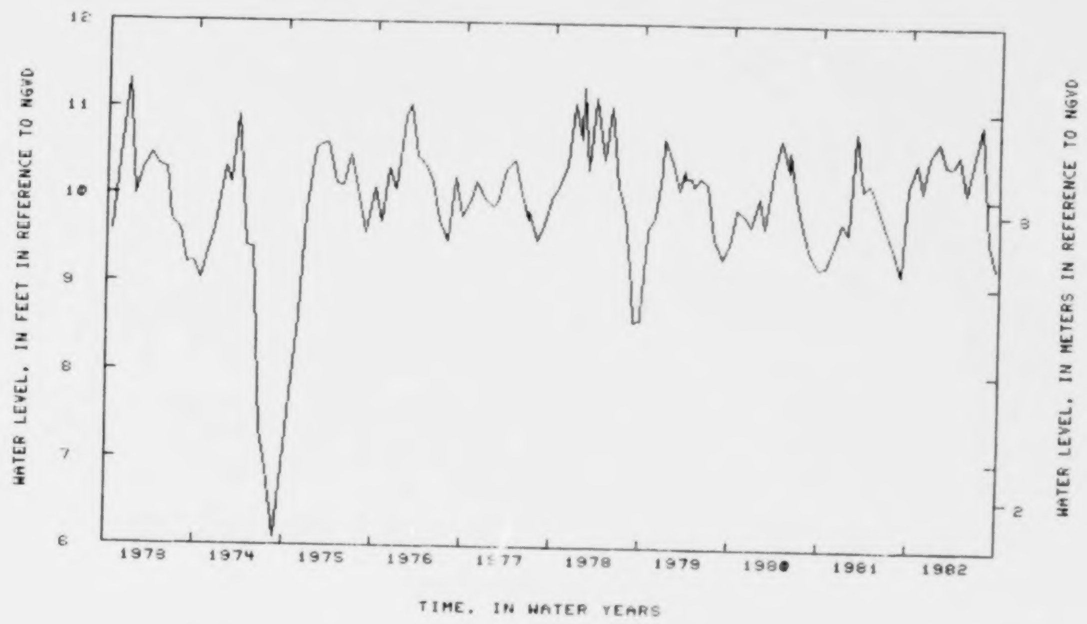
REMARKS.--Replaced well S 1808.4 in October 1967 at same location.

PERIOD OF RECORD.--October 1912 to current year. Unpublished records for October 1912 to September 1975, are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.29 ft (3.75 m) NGVD, Feb. 23, 1949; lowest measured, 6.08 ft (1.85 m) NGVD, Aug. 27, 1974.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

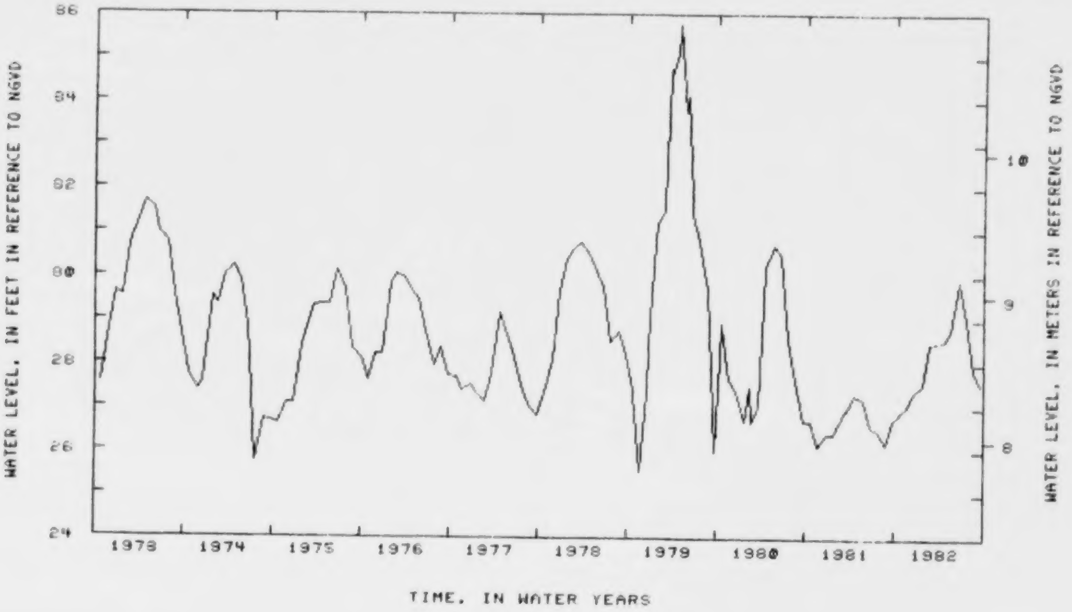
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	10.44	DEC 21	10.51	FEB 24	10.41	APR 22	10.54	JUN 23	10.53	AUG 19	9.54
NOV 20	10.10	JAN 25	10.68	MAR 22	10.40	MAY 18	10.09	JUL 21	10.89	SEP 20	9.23



404351073164903. Local number, S 1809.1.
LOCATION.--Lat 40°43'51", long 73°16'49", Hydrologic Unit 02030202, at Manor Lane and Muncey Road, Bay Shore. Owner: Town of Islip.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Driven observation well, diameter 1.2 in (0.03 m), depth 29 ft (9 m), screened 26 to 29 ft (8 to 9 m).
DATUM.--Land-surface datum is 42.0 ft (12.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.40 ft (0.12 m) above land-surface datum.
REMARKS.--Replaced well S 1809.3 in March 1981 at same location.
PERIOD OF RECORD.--October 1912 to current year. Unpublished records for October 1912 to November 1914, and August 1932 to September 1975, are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 35.77 ft (10.90 m) NGVD, Apr. 26, 1979; lowest measured, 25.00 ft (7.62 m) NGVD, Nov. 2, 1932.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 20	27.05	JAN 25	27.55	MAR 29	28.49	MAY 18	28.78	JUL 21	29.05	SEP 20	27.55
DEC 21	27.35	FEB 24	28.45	APR 22	28.55	JUN 23	29.91	AUG 19	27.85		



SUFFOLK COUNTY--Continued

404614073164403 Local number, S 1810 1

LOCATION --Lat 40°46'14", long 73°16'44", Hydrologic Unit 02030202, at Gardiner and Pine Aire Drives, Pine Aire Owner U S Geological Survey

AQUIFER --Upper Glacial (water-table)

WELL CHARACTERISTICS --Augered observation well, diameter 2 in (0 05 m), depth 55 ft (17 m), screened 52 to 55 ft (16 to 17 m)

DATUM --Land-surface datum is 90 8 ft (27 7 m) National Geodetic Vertical Datum of 1929 Measuring point Top of coupling, 0 15 ft (0 05 m) below land-surface datum

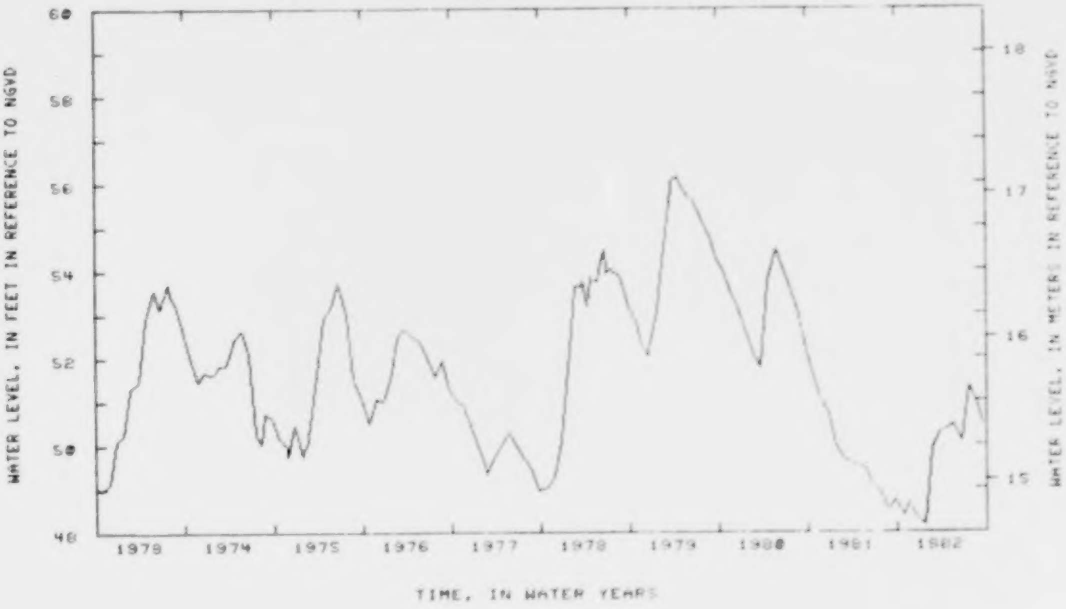
REMARKS --Replaced well S 1810 2 in November 1975

PERIOD OF RECORD --October 1912 to November 1914, August 1932 to current year

EXTREMES FOR PERIOD OF RECORD --Highest water level measured, 56 19 ft (17 13 m) NGVD, Apr 29, 1939, lowest measured, 43 30 ft (13 19 m) NGVD, Feb 27, 1967

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	48 38	DEC 21	48 34	FEB 24	49 91	APR 22	50 34	JUN 23	50 07	AUG 19	51 00
NOV 20	48 65	JAN 25	48 15	MAR 22	50 28	MAY 18	50 45	JUL 21	51 34	SEP 20	50 51



SUFFOLK COUNTY--Continued

404957073401 Local number, S 1811.1

LOCATION --Lat 40°49'57", long 73°07'34", Hydrologic Unit 02030202, at Shore Road, Lake Ronkonkoma. Owner: U.S. Geological Survey

AQUIFER --Upper Glacial (water-table)

WELL CHARACTERISTICS --Drilled observation well, diameter 2 in (0.05 m), depth 21.5 ft (7 m), screen assumed at bottom

DATUM --Land-surface datum is 58.15 ft (17.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.08 ft (0.33 m) above land-surface datum

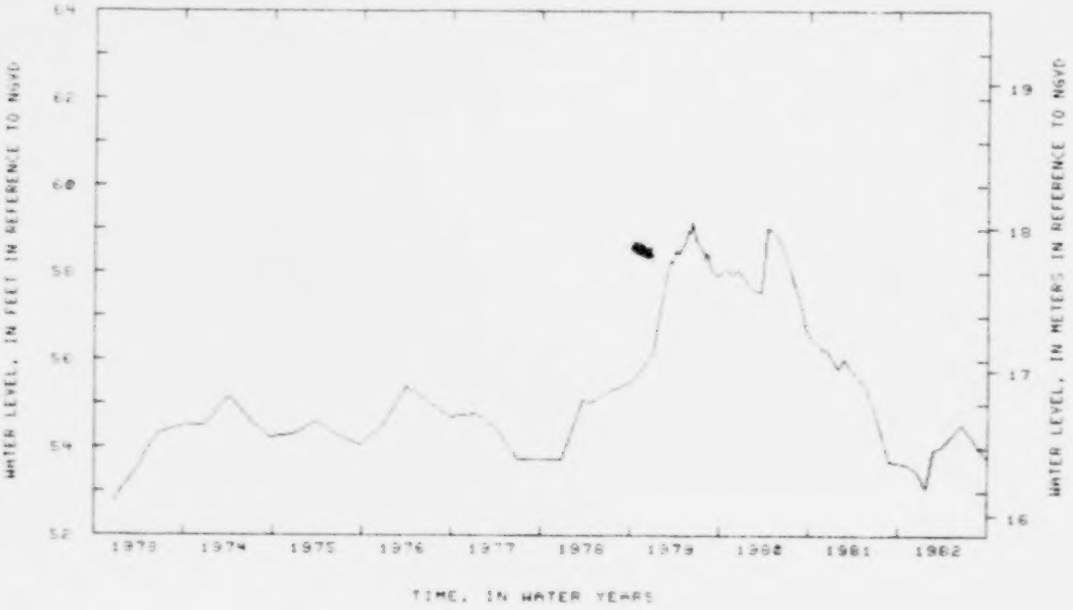
REMARKS --Water-quality records for 1979 are published elsewhere in this report. Replaced well S 1811.3 in Novembe 1980 at same location

PERIOD OF RECORD --April 1937 to current year. Unpublished records for April 1937 to September 1978 are available in files of Long Island Sub-district office

EXTREMES FOR PERIOD OF RECORD --Highest water level measured 59.20 ft (18.05 m) NGVD, June 6, 1979; lowest measured, 50.63 ft (15.43 m) NGVD, Dec. 28, 1966

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	53.63	DEC 21	53.47	FEB 24	53.94	MAR 22	54.00	JUN 15	54.53	SEP 30	53.77
NOV 20	53.58	JAN 25	53.07								



TIME, IN WATER YEARS

SUFFOLK COUNTY--Continued

404959073084902 Local number, S 1812.1

LOCATION.--Lat 40°49'59", long 73°08'49", Hydrologic Unit 02030202, at Smithtown Boulevard and Nichols Road, Ronkonkoma. Owner: U.S. Geological Survey.

AQUIFER.--Upper Glacial (water-table).

WELL CHARACTERISTICS.--Driven observation well, diameter 1.25 in (0.03 m), depth 44 ft (13 m), screen assumed at bottom.

DATUM.--Land-surface datum is 69.9 ft (21.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.49 ft (0.15 m) below land-surface datum.

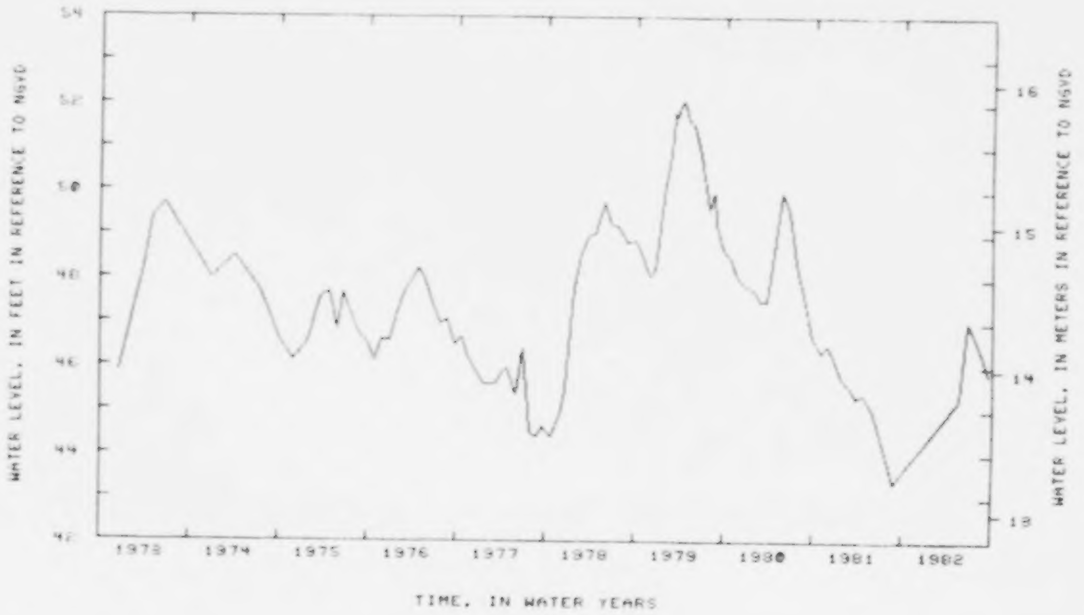
REMARKS.--Replaced well S 1812.2 in May 1982 at same location.

PERIOD OF RECORD.--April 1937 to current year. Unpublished records for April 1937 to September 1975 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 52.10 ft (15.88 m) NGVD, Apr. 10, 1979; lowest measured, 40.09 ft (12.22 m) NGVD, Feb. 27, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 20	45.26	JUN 23	47.05	JUL 21	46.71	AUG 19	46.29	SEP 20	45.84		



405146073031801. Local number, S 3513.1.

LOCATION.--Lat 40°51'46", long 73°03'18", Hydrologic unit 02030202, at State Highway 25 and High View Drive, Selden. Owner: New York Department of Transportation.

AQUIFER.--Upper Glacial (water table).

WELL CHARACTERISTICS.--Drilled unused well, diameter 8 in (0.20 m), depth 65 ft (20 m), screened 63 to 65 ft (19 to 20 m).

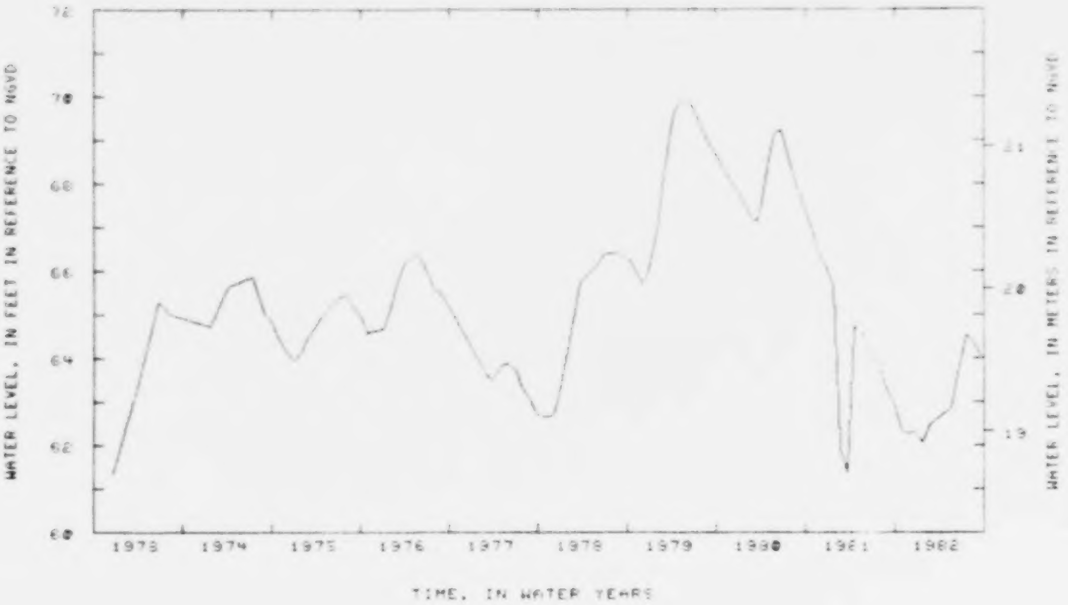
DATUM.--Land-surface datum is 101.0 ft (30.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of reducer, 1.31 ft (0.40 m) above land-surface datum.

PERIOD OF RECORD.--April 1942 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 69.91 ft (21.31 m) NGVD, May 29, 1979; lowest measured, 56.06 ft (17.09 m) NGVD, Mar. 1, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	62.34	DEC 21	62.31	FEB 24	62.47	APR 22	62.73	JUN 23	63.84	AUG 19	64.37
NOV 20	62.28	JAN 25	62.07	MAR 22	62.59	MAY 18	62.83	JUL 21	64.55	SEP 20	64.06



404812073004101. Local number, S 3521.1.

LOCATION.--Lat 40°48'12", long 73°00'41", Hydrologic Unit 02030202, at Medford Avenue, near Cedar Avenue, Medford. Owner: Town of Brookhaven.

AQUIFER.--Upper Glacial (water table).

WELL CHARACTERISTICS.--Driven observation well, diameter 2 in (0.05 m), depth 50 ft (15 m), screen assumed at bottom.

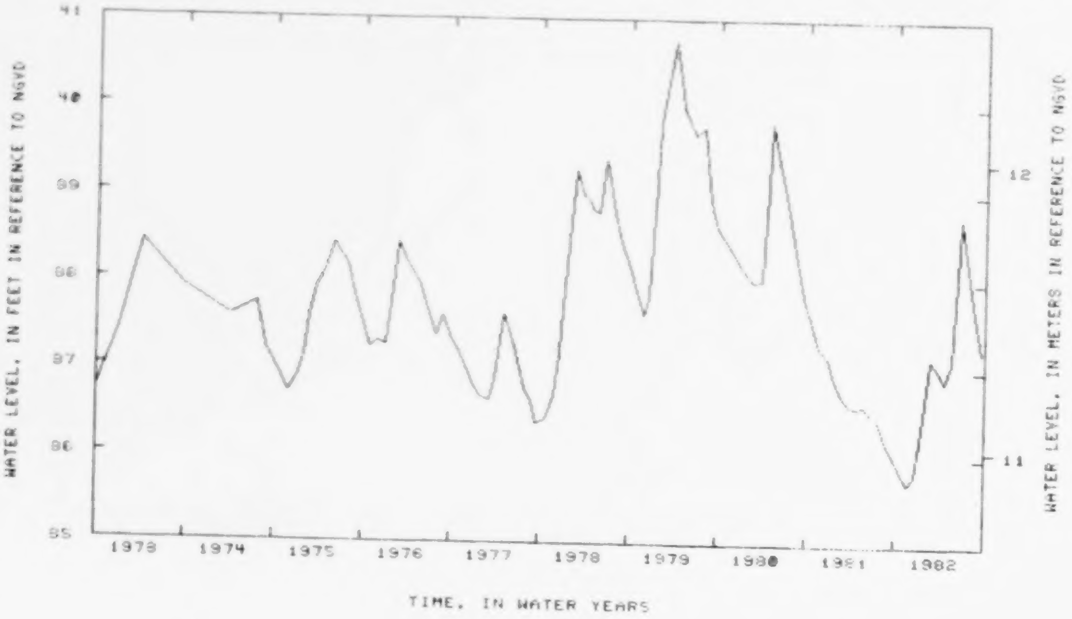
DATUM.--Land-surface datum is 72.0 ft (21.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.57 ft (0.17 m) above land-surface datum.

PERIOD OF RECORD.--January 1907 to current year. Unpublished records for January 1907 to July 1909, April 1942 to September 1975, are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 40.75 ft (12.42 m) NGVD, Mar. 27, 1979; lowest measured, 34.38 ft (10.48 m) NGVD, Oct. 26, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	35.81	DEC 21	35.80	FEB 24	37.13	APR 22	36.89	JUN 23	38.74	AUG 19	37.67
NOV 20	35.72	JAN 25	36.50	MAR 22	37.04	MAY 18	37.10	JUL 21	38.19	SEP 20	37.21



405037072390301 Local number, S 3543 1

LOCATION --Lat 40°50'37", long 72°39'03", Hydrologic Unit 02030202, at Old Riverhead Road and main entrance to Suffolk County Airport, Westhampton Owner City of New York

AQUIFER --Upper Glacial (water table)

WELL CHARACTERISTICS --Driven observation well, diameter 2 in (0 05 m), depth 58 ft (18 m), screened 56 to 58 ft (17 to 18 m)

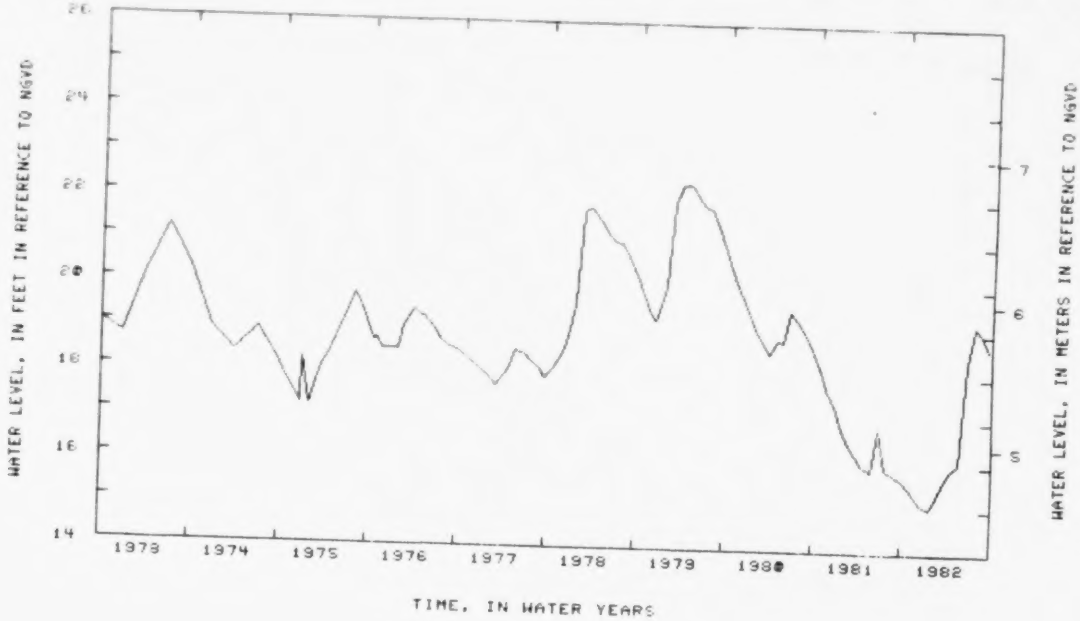
DATUM --Land-surface datum is 64 4 ft (19 6 m) National Geodetic Vertical Datum of 1929 Measuring point: Top of casing, 0 04 ft (0 01 m) above land-surface datum

PERIOD OF RECORD --March 1907 to December 1909, April 1942 to April 1943, January 1947 to current year

EXTREMES FOR PERIOD OF RECORD --Highest water level measured, 22 34 ft (6 81 m) NGVD, Mar 27, 1979, lowest measured, 15 03 ft (4 58 m) NGVD, Jan 26, 1967

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	15 49	DEC 21	15 14	FEB 24	15 34	APR 22	15 95	JUN 23	18 36	AUG 19	19 02
NOV 20	15 34	JAN 25	15 05	MAR 22	15 71	MAY 18	16 07	JUL 21	19 21	SEP 20	18 66



405343073055004   Local number, S 3955.1

LOCATION.--Lat 40°53'43", long 73°05'50", Hydrologic Unit 02030201, at Pond Path and Mark Tree Roads, Setauket. Owner: U.S. Geological Survey.

AQUIFER.--Upper Glacial (water table).

WELL CHARACTERISTICS.--Augered observation well, diameter 2 in (0.05 m), depth 82 ft (25 m), screened 80 to 82 ft (24 to 25 m).

DATUM.--Land-surface datum is 122.8 ft (37.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.04 ft (0.01 m) below land-surface datum.

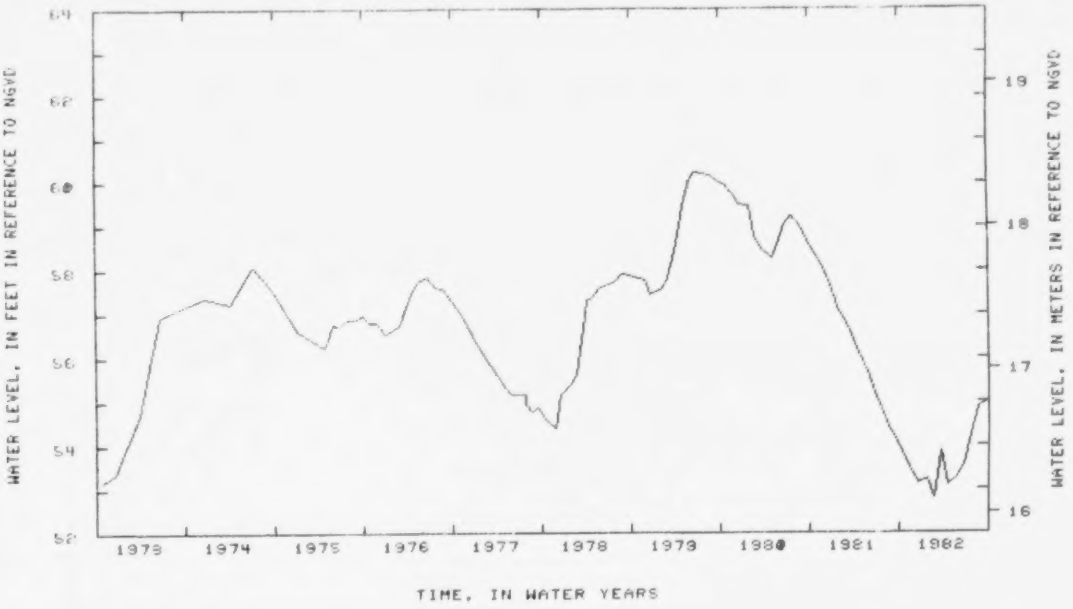
REMARKS.--Replaced well S 3955.3 in April 1975 at same location.

PERIOD OF RECORD.--September 1944 to current year. Unpublished records for September 1944 to September 1975 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 60.23 ft (18.36 m) NGVD, June 21, 1979; lowest measured, 48.01 ft (14.63 m) NGVD, Mar. 31, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	53.67	DEC 21	53.13	FEB 24	52.80	APR 22	53.10	JUN 23	53.52	AUG 19	54.88
NOV 20	53.40	JAN 25	53.24	MAR 22	53.86	MAY 18	53.22	JUL 21	54.25	SEP 20	54.96



SUFFOLK COUNTY--Continued

405743072425701 Local number, S 4271.1

LOCATION --Lat 40°57'43", long 72°42'57", Hydrologic Unit 02030202, at Long Island Research Farm, Sound Avenue, Riverhead Owner U.S. Geological Survey

AQUIFER --Upper Glacial (water table)

WELL CHARACTERISTICS -Drilled observation well, diameter 4 in (0.10 m), depth 105 ft (32 m), screened 100 to 105 ft (30 to 32 m)

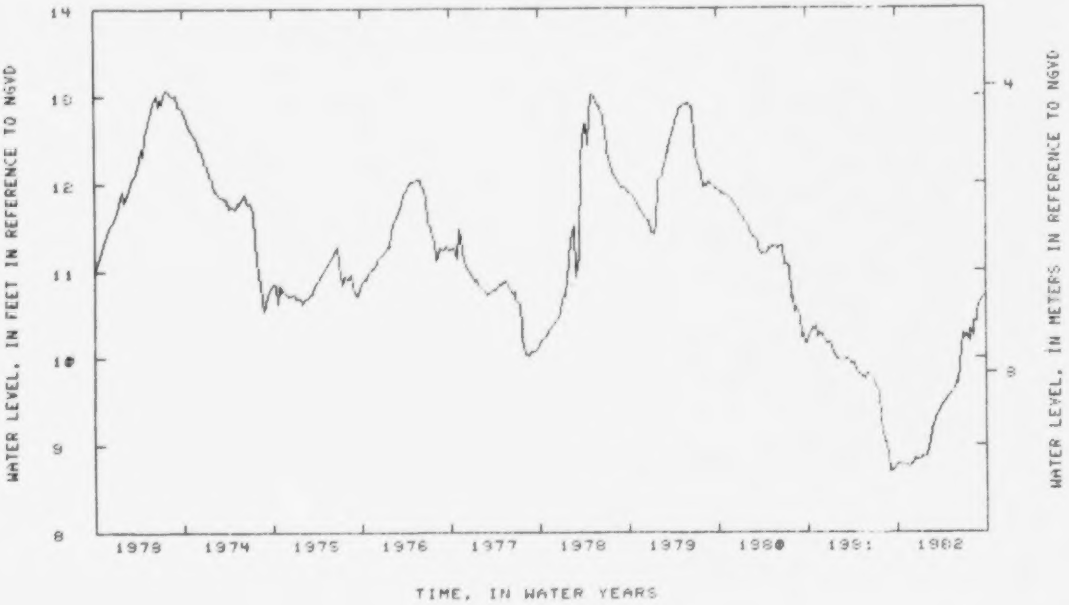
DATUM --Land-surface datum is 100.3 ft (30.6 m) National Geodetic Vertical Datum of 1929 Measuring point Top of coupling, 1.14 ft (0.35 m) above land-surface datum

PERIOD OF RECORD --August 1945 to current year

EXTREMES FOR PERIOD OF RECORD --Highest water level measured, 13.07 ft (3.98 m) NGVD, July 23, 30, 1973, lowest measured, 8.16 ft (2.49 m) NGVD, Sept 5, 1966

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 3	8.78 G	DEC 6	8.78 G	FEB 14	9.03 G	APR 11	9.48 G	JUN 7	9.70 G	AUG 9	10.25 G
11	8.78 G	14	8.85 G	22	9.20 G	19	9.51 G	14	9.92 G	15	10.42 G
16	8.78 G	20	8.84 G	28	9.23 G	25	9.55 G	28	10.29 G	23	10.42 G
25	8.77 G	28	8.84 G	MAR 8	9.30 G	MAY 3	9.57 G	JUL 4	10.23 G	29	10.52 G
NOV 2	8.78 G	JAN 3	8.84 G	14	9.35 G	9	9.60 G	12	10.27 G	SEP 6	10.61 G
8	8.77 G	11	8.86 G	22	9.37 G	17	9.61 G	18	10.24 G	12	10.64 G
16	8.76 G	25	8.86 G	28	9.42 G	23	9.64 G	26	10.18 G	20	10.69 G
22	8.75 G	31	8.87 G	APR 5	9.46 G	31	9.71 G	AUG 1	10.33 G	26	10.70 G
30	8.79 G	FEB 8	8.99 G								



G MEASUREMENT BY ANOTHER AGENCY

SUFFOLK COUNTY--Continued

405149072532201. Local number, S 5517.1

LOCATION.--Lat 40°51′49″, long 72°53′22″, Hydrologic Unit 02030202, at Upton Road and Princeton Avenue, Upton. Owner: Brookhaven National Laboratory.

AQUIFER.--Upper Glacial (water table).

WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in (0.10 m), depth 91 ft (28 m), screened 85 to 91 ft (26 to 28 m).

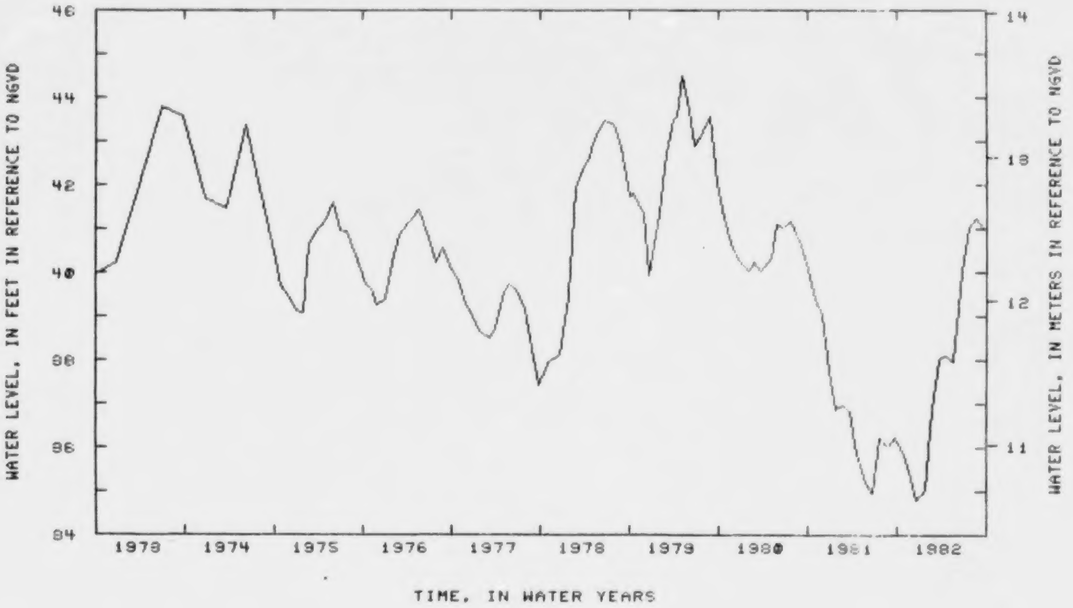
DATUM.--Land-surface datum is 115.0 ft (35.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.04 ft (0.01 m) above land-surface datum.

PERIOD OF RECORD.--April 1948 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 46.93 ft (14.30 m) NGVD, June 25, 1958; lowest measured, 33.34 ft (10.16 m) NGVD, Mar. 1, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	35.82	DEC 21	34.80	FEB 24	36.87	APR 22	38.11	JUN 23	40.02	AUG 19	41.22
NOV 20	35.45	JAN 25	35.04	MAR 22	38.04	MAY 18	37.98	JUL 21	41.04	SEP 20	41.04

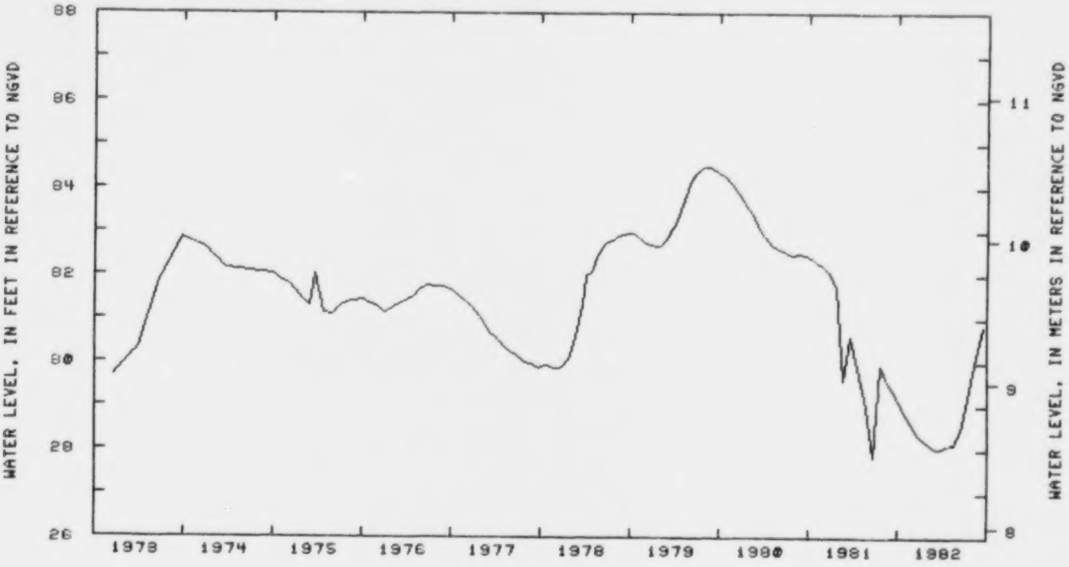


SUFFOLK COUNTY--Continued

405650072541801. Local number, S 6411.1
LOCATION.--Lat 40°56'50", long 72°54'18", Hydrologic Unit 02030202, at State Highway 25 and Randall Road, Shoreham. Owner: Brookhaven National Laboratory.
AQUIFER.--Upper Glacial (water table).
WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in (0.10 m), depth 149 ft (45 m), screened 143 to 149 ft (44 to 45 m).
DATUM.--Land-surface datum is 138.4 ft (42.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.73 ft (0.53 m) above land-surface datum.
PERIOD OF RECORD.--November 1948 to current year. Unpublished records for November 1948 to September 1975 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 34.49 ft (10.51 m) NGVD, July 26, Aug. 28, 1979; lowest measured, 25.15 ft (7.67 m) NGVD, Dec. 28, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	28.84	DEC 21	28.38	FEB 24	28.06	APR 22	28.10	JUN 23	28.61	AUG 19	30.18
NOV 20	28.64	JAN 25	28.19	MAR 22	28.03	MAY 18	28.14	JUL 21	29.42	SEP 20	30.83



TIME, IN WATER YEARS

405223072523401. Local number, S 6434.1
LOCATION.--Lat 40°52'23", long 72°52'34", Hydrologic Unit 02030202, at 10th Street and 4th Avenue, Upton. Owner: Brookhaven National Laboratory.
AQUIFER.--Lloyd (confined).
WELL CHARACTERISTICS.--Drilled observation well diameter 10 in (0.25 m), depth 1,395 ft (425 m), screened 1,312 to 1,392 ft (400 to 424 m).
DATUM.--Land-surface datum is 85.0 ft (25.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 2 in (0.05 m) nipple, 2.21 ft (0.67 m) above land-surface datum.
REMARKS.--Water-quality records for 1949 are available in files of Long Island Sub-district office.
PERIOD OF RECORD.--August 1949 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 36.11 ft (11.01 m) NGVD, July 12, 1979; lowest measured, 28.74 ft (8.76 m) NGVD, Mar. 1, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 15	29.11	MAR 16	29.41	JUN 17	30.21	SEP 23	31.11				

SUFFOLK COUNTY--Continued

405223072523402. Local number, S 6455.1

LOCATION.--Lat 40°52'23", long 72°52'34", Hydrologic Unit 02030202, at 10th Street and 4th Avenue, Upton. Owner: Brookhaven National Laboratory.

AQUIFER.--Magothy (confined).

WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in (0.10 m), depth 962 ft (293 m), screened 952 to 962 ft (290 to 293 m).

DATUM.--Land-surface datum is 84.6 ft (25.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.16 ft (0.05 m) below land-surface datum.

PERIOD OF RECORD.--July 1949 to June 1952, January 1954 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 47.15 ft (14.37 m) NGVD, May 31, 1949; lowest measured, 33.82 ft (10.31 m) NGVD, Dec. 27, 1966, Mar. 1, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 15	35.76	MAR 16	37.10	JUN 17	39.06	SEP 23	38.64				

410100072292501. Local number, S 6542.1

LOCATION.--Lat 41°01'00", long 72°29'25", Hydrologic Unit 02030202, at Depot Lane, 0.4 mi (0.6 km) north of State Highway 25, Cutchogue. Owner: Cutchogue Fire Department.

AQUIFER.--Upper Glacial (water table).

WELL CHARACTERISTICS.--Drilled fire-protection well, diameter 6 in (0.15 m), depth 36 ft (11 m), screen assumed at bottom.

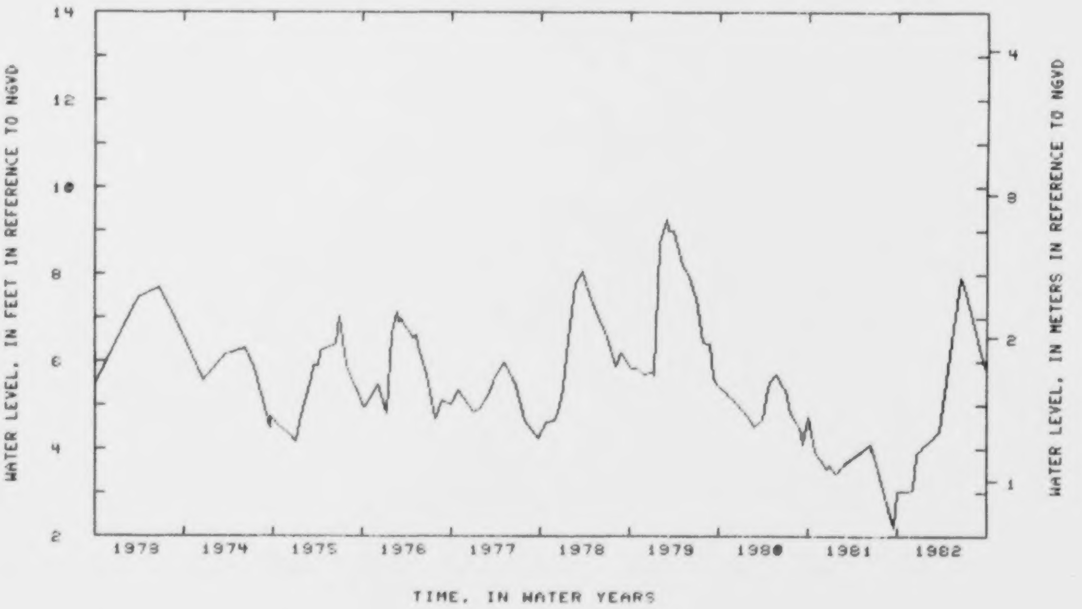
DATUM.--Land-surface datum is 24.4 ft (7.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Bottom outside edge of hose connection, 1.79 ft (0.55 m) above land-surface datum.

PERIOD OF RECORD.--July 1949 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.28 ft (2.83 m) NGVD, Feb. 27, 1979; lowest measured, 2.19 ft (0.67 m) NGVD, Sept. 18, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 20	3.02 Q	DEC 16	3.91	MAR 18	4.39	JUN 16	7.92	JUL 8	7.59	SEP 21	5.86
DEC 4	3.08 Q										



Q MEASUREMENT BY ANOTHER AGENCY

SUFFOLK COUNTY--Continued

405756072173501. Local number, S 8833.1

LOCATION.--Lat 40°57'56", long 72°17'35", Hydrologic Unit 02030202, at Toppings Path near Sag Harbor. Owner: Town of Southampton.

AQUIFER.--Upper Glacial (water table).

WELL CHARACTERISTICS.--Driven observation well, diameter 2 in (0.05 m), depth 13 ft (4.0 m), screened 10 to 13 ft (3.0 to 4.0 m).

DATUM.--Land-surface datum is 20.0 ft (6.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.63 ft (0.50 m) above land-surface datum.

REMARKS.--Water-quality records for 1974-76 are available in files of Long Island Sub-district office.

PERIOD OF RECORD.--October 1950 to current year. Unpublished records for October 1950 to September 1977 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.30 ft (5.58 m) NGVD, May 26, 1953; lowest measured, 12.84 ft (3.91 m) NGVD, Mar. 29, 1982.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 17	13.18	MAR 29	12.84	JUN 17	14.63	SEP 22	16.76				

405309072233101. Local number, S 8836.1

LOCATION.--Lat 40°53'09", long 72°23'31", Hydrologic Unit 02030202, at Nugent Street and Windmill Lane, Southampton. Owner: Southampton Fire Department.

AQUIFER.--Upper Glacial (water-table).

WELL CHARACTERISTICS.--Drilled fire-protection well, diameter 8 in (0.20 m), depth 37 ft (11 m), screen assumed at bottom.

DATUM.--Land-surface datum is 17.4 ft (5.30 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.47 ft (0.45 m) above land-surface datum.

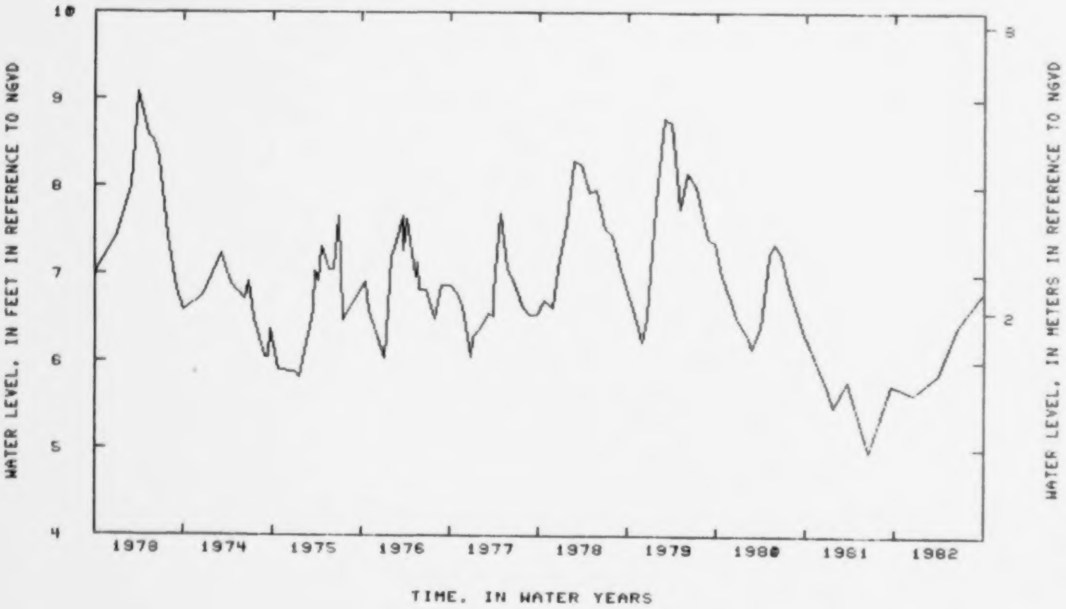
REMARKS.--Water-quality records for 1974-77 are available in files of Long Island Sub-district office.

PERIOD OF RECORD.--July 1950 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.08 ft (2.77 m) NGVD, Mar. 29, 1973; lowest measured, 4.93 ft (1.50 m) NGVD, Aug. 30, 1968.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

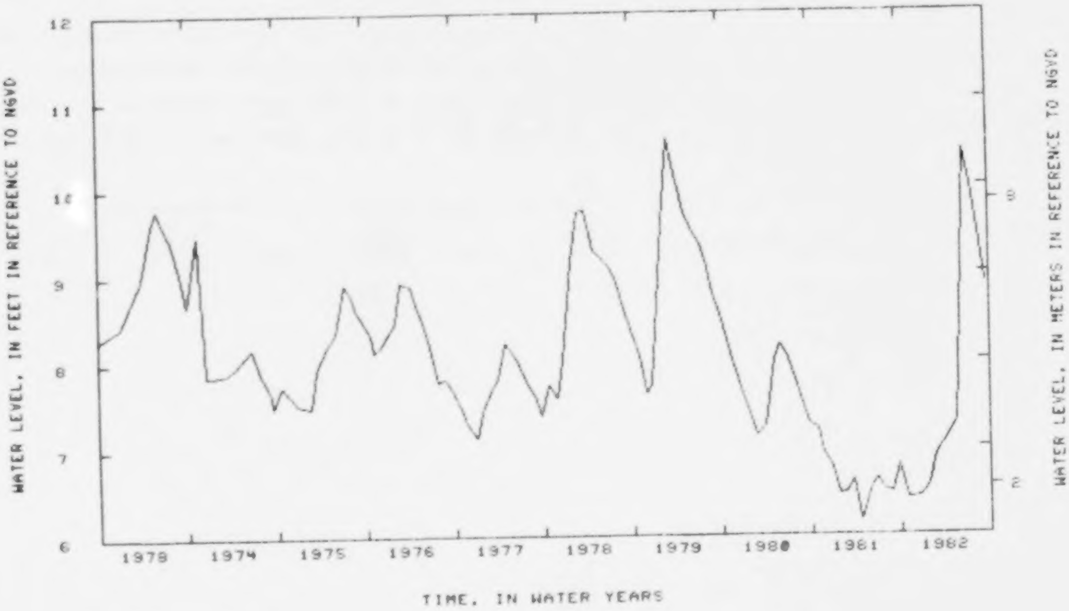
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 18	5.64	MAR 26	5.87	JUN 18	6.42	SEP 22	6.79				



405840072082301 Local number, S 8839 1
LOCATION --Lat 40°58'40", long 72°08'23", Hydrologic Unit 02030202, at Windmill Lane and State Highway 27, Amagansett Owner D Toler
AQUIFER --Upper Glacial (water-table)
WELL CHARACTERISTICS --Driven observation well, diameter 1 25 in (0 03 m), depth 37 ft (11 m), screen assumed at bottom
DATUM --Land-surface datum is 39 1 ft (11 9 m) National Geodetic Vertical Datum of 1929 Measuring point Top of casing, 0 87 ft (0 27 m) above land-surface datum
PERIOD OF RECORD --August 1950 to current year Unpublished records for August 1950 to September 1975 are available in files of Long Island Sub-district office
EXTREMES FOR PERIOD OF RECORD -- Highest water level measured, 10 55 ft (3 22 m) NGVD, Feb 27, 1979, lowest measured, 6 10 ft (1 86 m) NGVD, Oct 27, 1966

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	6 41	DEC 21	6 43	FEB 24	6 91	APR 22	7 17	JUN 23	10 40	AUG 19	9 47
NOV 20	6 42	JAN 25	6 57	MAR 22	7 04	MAY 18	7 28	JUL 21	9 99	SEP 20	8 88



404831072530501 Local number, S 9130 1
LOCATION --Lat 40°48'31", long 72°53'05", Hydrologic Unit 02030202, at River Road, Shirley Owner Town of Brookhaven
AQUIFER --Upper Glacial (water-table)
WELL CHARACTERISTICS --Drilled observation well, diameter 2 in (0 05 m), depth 28 ft (8 5 m), screened 25 to 28 ft (7 6 to 8 5 m)
DATUM --Land-surface datum is 26 0 ft (7 9 m) National Geodetic Vertical Datum of 1929 Measuring point Top of casing, 100 ft (0 30 m) above land-surface datum
PERIOD OF RECORD --June 1953 to current year Unpublished records for June 1953 to September 1977 are available in files of Long Island Sub-district office
EXTREMES FOR PERIOD OF RECORD --Highest water level measured, 11 53 ft (3 51 m) NGVD Mar 29, 1978, lowest measured, 9 50 ft (2 90 m) NGVD, Mar 19, 1981

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 15	9 77	MAR 16	10 22	JUN 15	11 05	SEP 23	10 50				

SUFFOLK COUNTY--Continued

405843072352901. Local number, S 16756.1

LOCATION.--Lat 40°58'43", long 72°35'29", Hydrologic Unit 02030202, at Herricks Lane, 0.25 mi (0.4 km) south of Sound Avenue, Jamesport. Owner: Town of Riverhead.

AQUIFER.--Upper Glacial (water-table).

WELL CHARACTERISTICS.--Drilled observation well, diameter 2 in (0.05 m), depth 62 ft (19 m), screen assumed at bottom.

DATUM.--Land-surface datum is 61.0 ft (18.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.23 ft (0.07 m) below land-surface datum.

PERIOD OF RECORD.--September 1958 to current year. Unpublished records for September 1958 to September 1976 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.06 ft (3.07 m) NGVD, Mar. 30, 1979; lowest measured, 4.21 ft (1.28 m) NGVD, Aug. 31, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 16	5.08	MAR 18	6.24	JUN 16	7.65	SEP 21	7.33				

410856072171501. Local number, S 16787.1

LOCATION.--Lat 41°08'56", long 72°17'15", Hydrologic Unit 02030201, at State Highway Route 25, Orient. Owner: Suffolk County Department of Public Works.

AQUIFER.--Upper Glacial (water-table).

WELL CHARACTERISTICS.--Driven observation well, diameter 1.25 in (0.03 m), depth 44 ft (13 m) screened 41 to 44 ft (12 to 13 m).

DATUM.--Land-surface datum is 22.2 ft (6.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.24 ft (0.07 m) above land-surface datum.

PERIOD OF RECORD.--August 1958 to current year. Unpublished records for August 1958 to September 1977 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.57 ft (1.39 m) NGVD, Mar. 29, 1979; lowest measured, 1.12 ft (0.34 m) NGVD, Aug. 8, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 17	2.23	MAR 18	3.13	JUN 16	4.24	SEP 21	3.18				

SUFFOLK COUNTY--Continued

404747073241501. Local number, S 16874.1

LOCATION --Lat 40°47'47", long 73°24'15", Hydrologic Unit 02030202, at Old Country Road and New York Avenue, Huntington. Owner: Town of Huntington.

AQUIFER --Upper Glacial (water-table).

WELL CHARACTERISTICS --Driven observation well, diameter 1.25 in (0.03 m), depth 82 ft (25 m), screen assumed at bottom.

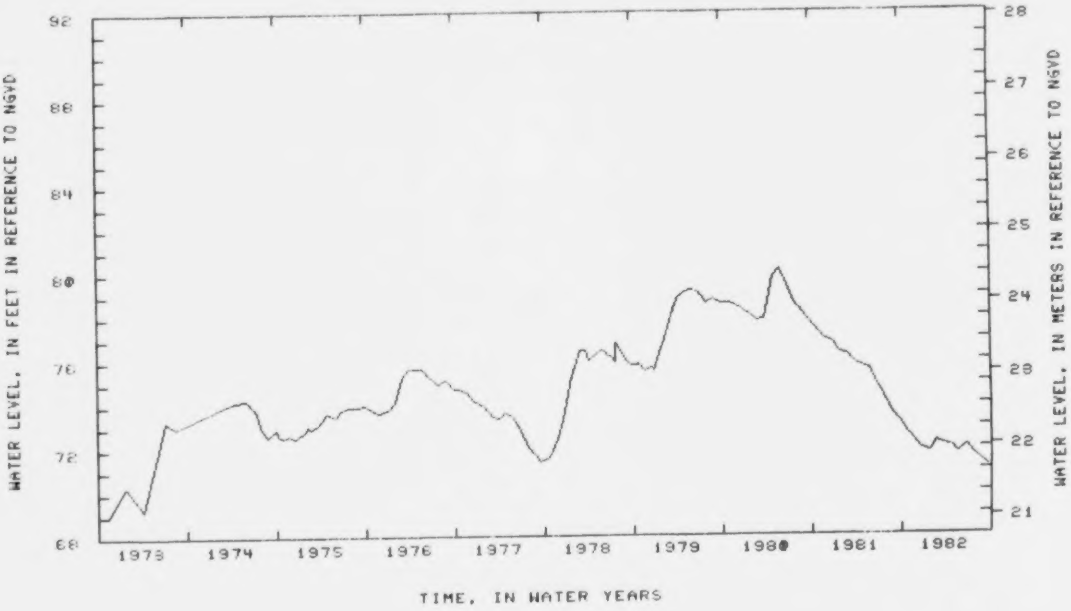
DATUM --Land-surface datum is 141.2 ft (43.0 m) National Geodetic Vertical of 1929. Measuring point: Top of casing, 0.04 ft (0.01 m) below land-surface datum.

PERIOD OF RECORD --July 1958 to current year. Unpublished records for July 1958 to May 1959, August 1971 to September 1975, are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD --Highest water level measured, 80.14 ft (24.43 m) NGVD, May 21, 1980; lowest measured, 66.95 ft (20.40 m) above NGVD, Oct. 20, 1971.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	72.62	DEC 21	71.90	FEB 24	72.24	APR 22	72.05	JUN 23	72.09	AUG 19	71.43
NOV 20	72.32	JAN 25	71.81	MAR 22	72.11	MAY 18	71.75	JUL 21	71.67	SEP 20	71.13



SUFFOLK COUNTY--Continued

403727073154602 Local number. S 21091.1

LOCATION.--Lat 40°37'27", long 73°15'46", Hydrologic Unit 02030202, at Robert Moses State Park, Fire Island. Owner: Long Island State Park Commission.

AQUIFER.--Lloyd (confined).

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in (0.15 m), depth 1,921 ft (586 m), screened 1,918 to 1,921 ft (585 to 586 m).

DATUM.--Land-surface datum is 10.0 ft (3.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of flange, 13.68 ft (4.17 m) above land-surface datum.

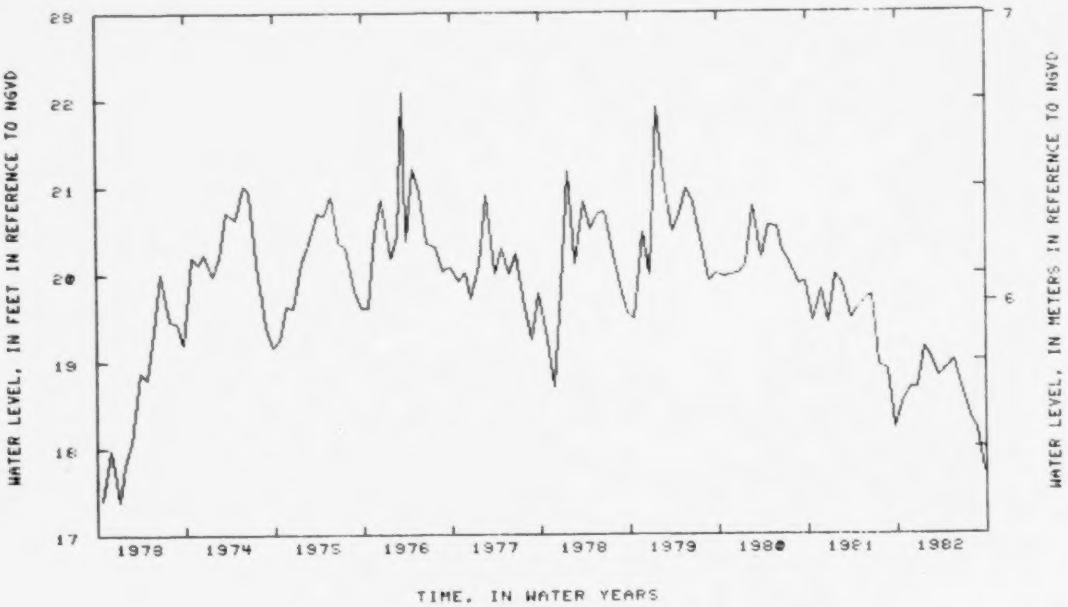
REMARKS.--Water-quality records for 1965 and 1972 are available in files of Long Island Sub-district office.

PERIOD OF RECORD.--June 1962 to current year. Unpublished records for June 1962 to September 1975 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 22.10 ft (6.74 m) NGVD, Mar. 16, 1976; lowest measured, 15.13 ft (4.61 m) NGVD, June 2, 1972.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	18.50	DEC 23	18.69	FEB 24	19.02	APR 25	18.92	JUN 24	18.69	AUG 25	18.20
NOV 25	18.69	JAN 23	19.15	MAR 24	18.81	MAY 25	19.00	JUL 25	18.35	SEP 23	17.72



403727073154601 Local number, S 21311 1

LOCATION --Lat 40°37'27", long 73°15'46", Hydrologic Unit 02030202, at Robert Moses State Park, Fire Island. Owner: Long Island State Park Commission.

AQUIFER --Magothy (confined).

WELL CHARACTERISTICS --Drilled observation well, diameter 6 in (0.15 m), depth 721 ft (220 m), screened 711 to 721 ft (217 to 220 m).

DATUM --Land-surface datum is 10.0 ft (3.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 20.01 ft (6.0 m) above land-surface datum.

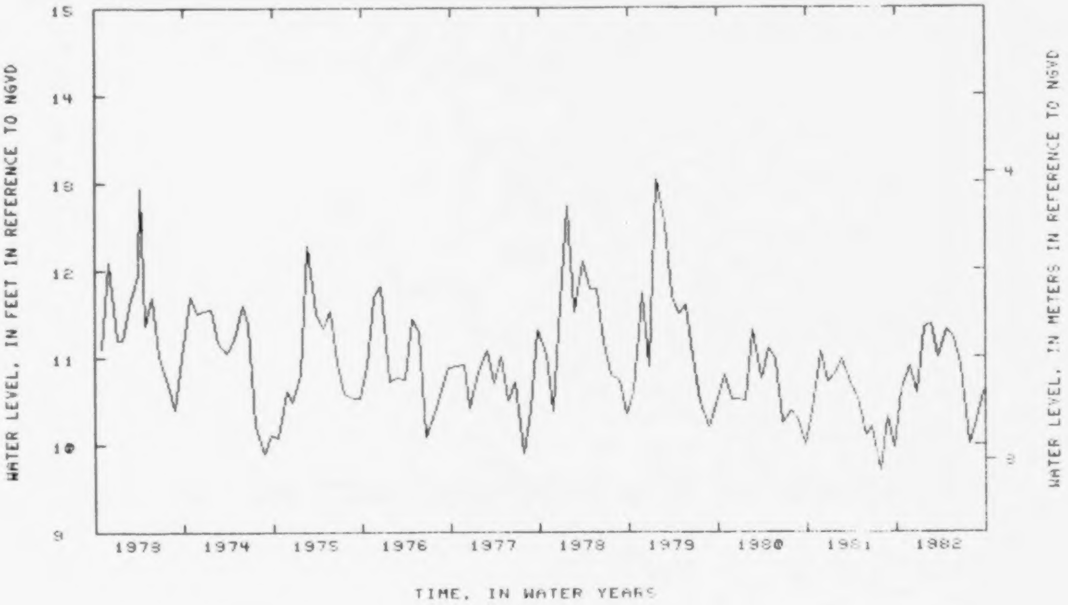
REMARKS --Water-quality records for 1965 are available in files of Long Island Sub-district office.

PERIOD OF RECORD --June 1962 to current year. Unpublished records for June 1962 to September 1975 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD --Highest water level measured, 13.04 ft (3.97 m) NGVD, Jan. 25, 1979; lowest measured, 5.35 ft (1.63 m) above NGVD, Feb. 23, 1972.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	10.61	DEC 23	10.59	FEB 24	11.39	APR 26	11.31	JUN 24	10.90	AUG 25	10.29
NOV 25	10.90	JAN 24	11.33	MAR 24	11.00	MAY 24	11.22	JUL 25	10.00	SEP 22	10.60



SUFFOLK COUNTY--Continued

404902073094001. Local number, S 22577.1

LOCATION.--Lat 40°49'02", long 73°09'40", Hydrologic Unit 02030202, at L. I. Motor Parkway, near Nichols Road, Hauppauge. Owner: U.S. Geological Survey.

AQUIFER.--Magothy (confined).

WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in (0.10 m), depth 736 ft (224 m), screened 724 to 734 ft (221 to 224 m).

DATUM.--Land-surface datum is 60.0 ft (18.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 2.63 ft (0.80 m) above land-surface datum.

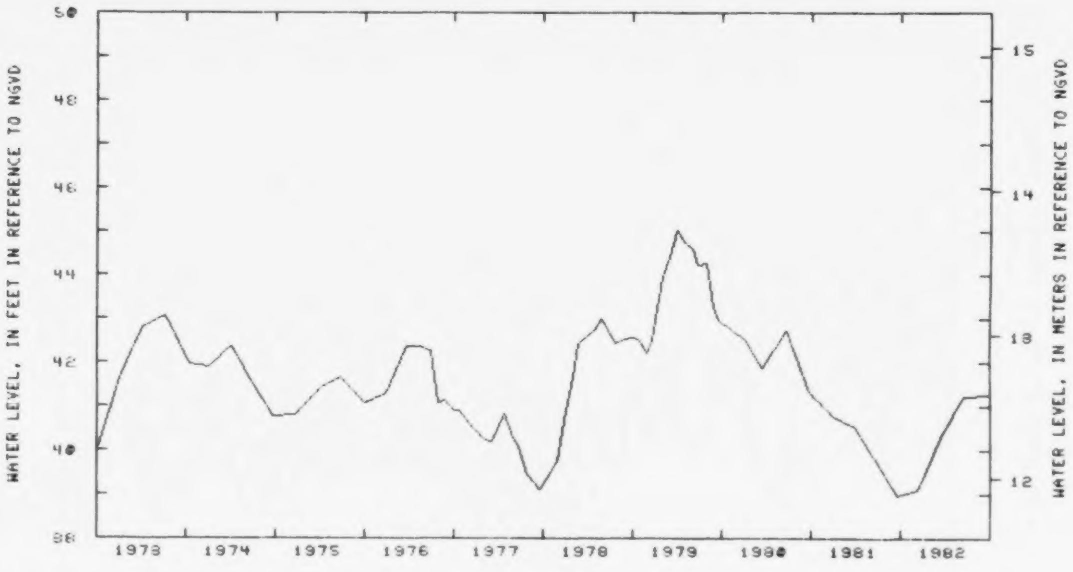
REMARKS.--Water-quality records for 1964 are available in files of Long Island Sub-district office.

PERIOD OF RECORD.--August 1964 to current year. Unpublished records for August 1964 to September 1975 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 45.04 ft (13.73 m) NGVD, Mar. 28, 1979; lowest measured, 36.19 ft (11.03 m) above NGVD, Mar. 2, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 14	39.11	MAR 15	40.29	JUN 14	41.23	SEP 30	41.28				



TIME, IN WATER YEARS

404902073094002 Local number, S 22578.1

LOCATION.--Lat 40°49'02", long 73°09'40", Hydrologic Unit 02030202, at L. I. Motor Parkway, near Nichols Road, Hauppauge. Owner: U.S. Geological Survey.

AQUIFER.--Magothy (water-table).

WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in (0.10 m), depth 402 ft (123 m), screened 392 to 402 ft (119 to 123 m).

DATUM.--Land-surface datum is 60.1 ft (18.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 2 in (0.05 m) coupling, 2.79 ft (0.85 m) above land-surface datum.

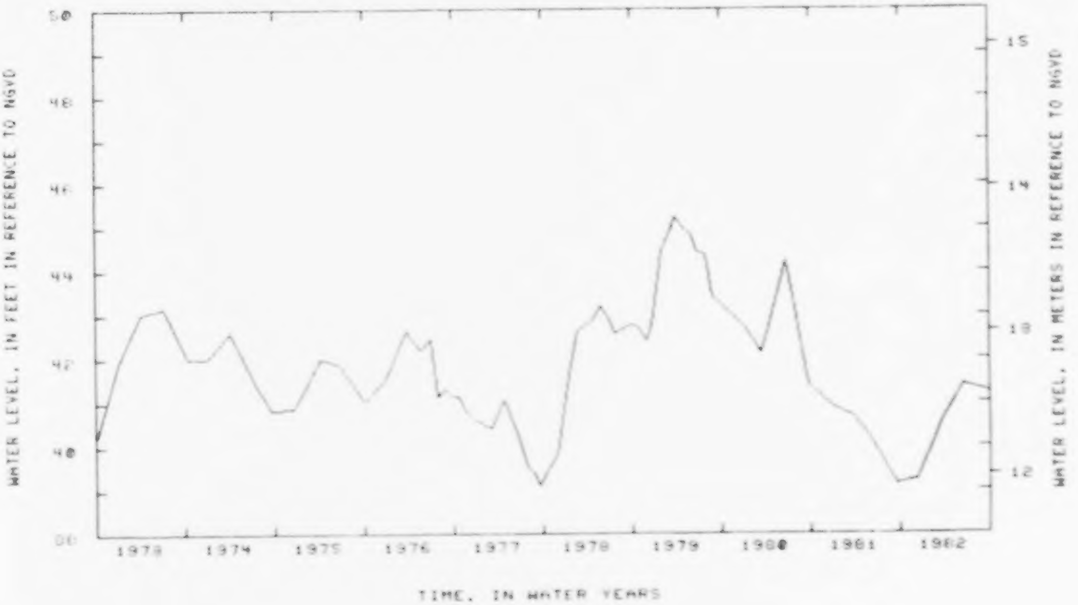
REMARKS.--Water-quality records for 1964 and 1971 are available in files of Long Island Sub-district office.

PERIOD OF RECORD.--August 1964 to current year. Unpublished records for August 1964 to September 1975 are in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 45.25 ft (13.79 m) NGVD, Mar. 28, 1979; lowest measured, 36.35 ft (11.08 m) NGVD, Mar. 1, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 14	39.25	MAR 15	40.50	JUN 14	41.41	SEP 30	41.23				

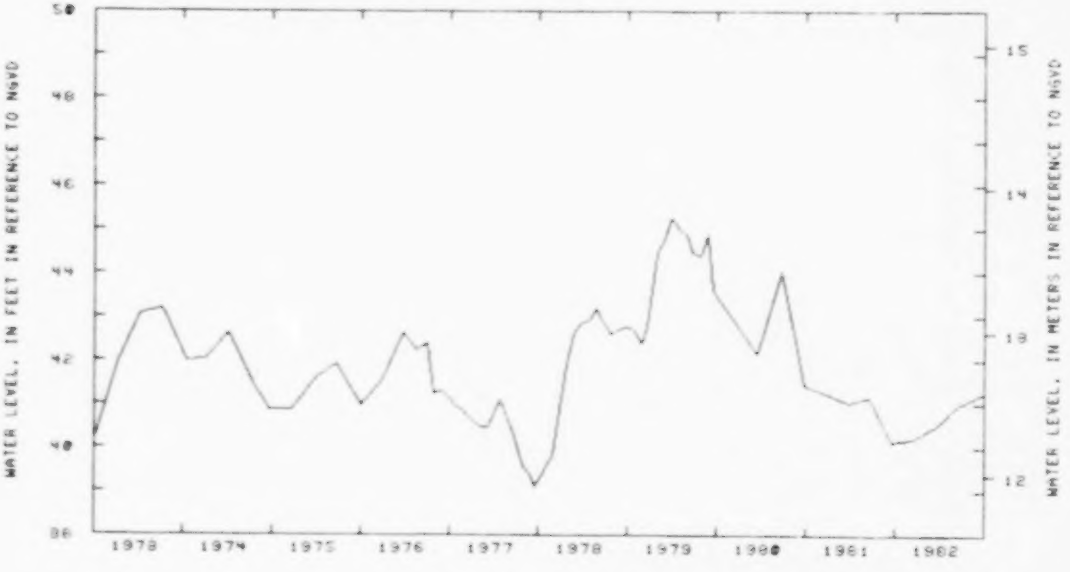


SUFFOLK COUNTY--Continued

404902073094003 Local number, S 22579.1
LOCATION.--Lat 40°49'02", long 73°09'40", Hydrologic Unit 02030202, at L. I. Motor Parkway, near Nichols Road, Hauppauge. Owner: U.S. Geological Survey.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in (0.10 m), depth 210 ft (64 m), screened 200 to 220 ft (61 to 67 m).
DATUM.--Land-surface datum is 60.1 ft (18.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 2 in (0.05 m) coupling, 2.50 ft (0.76 m) above land-surface datum.
REMARKS.--Water-quality records for 1964 and 1971 are available in files of Long Island Sub-district office.
PERIOD OF RECORD.--August 1964 to current year. Unpublished records for August 1964 to September 1975 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 45.26 ft (13.80 m) NGVD, Mar. 27, 1979; lowest measured, 36.40 ft (11.09 m) NGVD, Mar. 1, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 14	40.20	MAR 15	40.50	JUN 14	40.95	SEP 30	41.26				



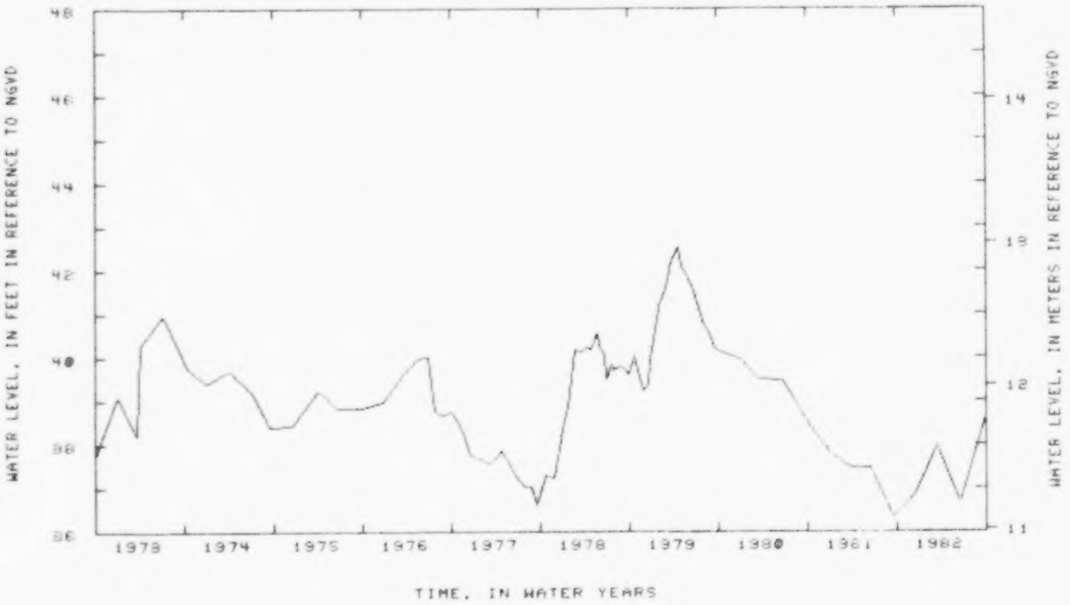
TIME, IN WATER YEARS

SUFFOLK COUNTY--Continued

404828073114002 Local number, S 22580 1
LOCATION --Lat 40°48'28", long 73°11'40", Hydrologic Unit 02030202, at Long Island Expressway Service Road and L I Motor Parkway, Central Islip Owner U S Geological Survey
AQUIFER --Magothy (water-table)
WELL CHARACTERISTICS --Drilled observation well, diameter 4 in (0 10 m), depth 802 ft (244 m), screened 440 to 450 ft (134 to 137 m)
DATUM --Land-surface datum is 123 0 ft (37 5 m) National Geodetic Vertical Datum of 1929 Measuring point Top of coupling, 4 30 ft (1 31 m) above land-surface datum
REMARKS --Water-quality records for 1972 are available in files of Long Island Sub-district office
PERIOD OF RECORD --May 1964 to current year Unpublished records for May 1964 to September 1975 are available in files of Long Island Sub-district office
EXTREMES FOR PERIOD OF RECORD --Highest water level measured, 42 55 ft (12 97 m) NGVD, Apr 17, 1979, lowest measured, 34 01 ft (10 37 m) NGVD, Jan 27, 1967

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 14	36 82	MAR 15	37 97	JUN 14	36 67	SEP 30	38 68				

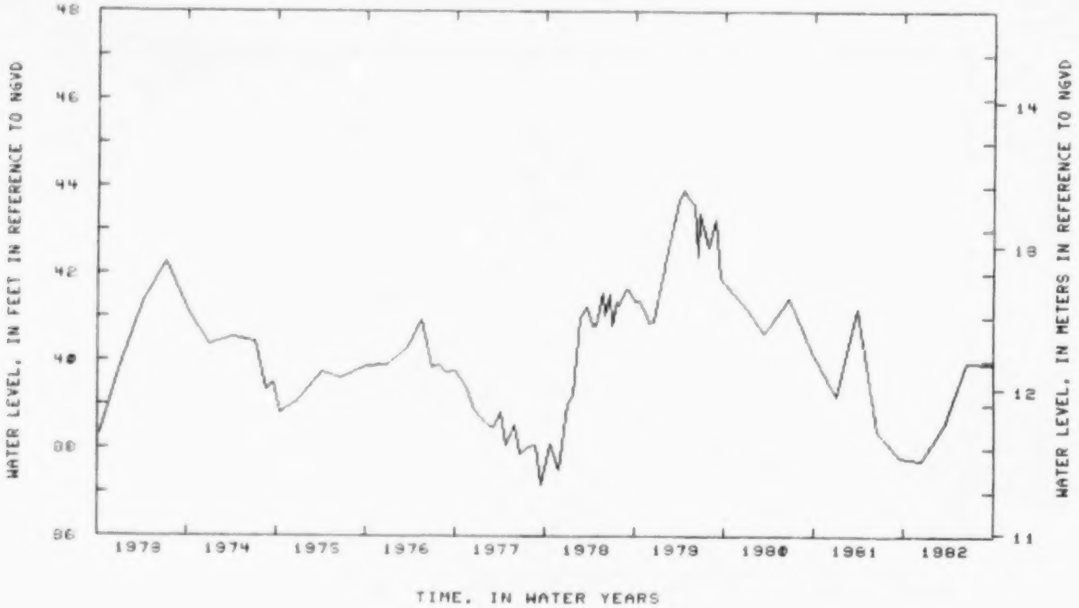


SUFFOLK COUNTY--Continued

404828073114003 Local number, S 22581.1
LOCATION.--Lat 40°48'28", long 73°11'40", Hydrologic Unit 02030202, at Long Island Expressway Service Road and L. I. Motor Parkway, Central Islip. Owner: U.S. Geological Survey.
AQUIFER.--Magothy (water-table).
WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in (0.10 m), depth 450 (137 m), screened 440 to 450 ft (134 to 137 m).
DATUM.--Land-surface datum is 123.2 ft (37.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 4.08 ft (1.24 m) above land-surface datum.
PERIOD OF RECORD.--August 1964 to current year. Unpublished records for August 1964 to September 1975 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 43.93 ft (13.39 m) NGVD, Apr. 17, 1979; lowest measured, 34.21 ft (10.43 m) NGVD, Jan. 27, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBEF 2

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATE LEVEL	DATE	WATER LEVEL
DEC 14	37.74	MAR 15	38.53	JUN 14	39.98	SEP 30	39.94				



404828073114004. Local number, S 22582.1

LOCATION.--Lat 40°48'28", long 73°11'40", Hydrologic Unit 02030202, at Long Island Expressway Service Road and L. I. Motor Parkway, Central Islip. Owner: U.S. Geological Survey.

AQUIFER.--Upper Glacial (water-table).

WELL CHARACTERISTICS.--Drilled observation well, diameter 2 in (0.05 m), depth 115 ft (35 m), screened 105 to 115 ft (32 to 35 m).

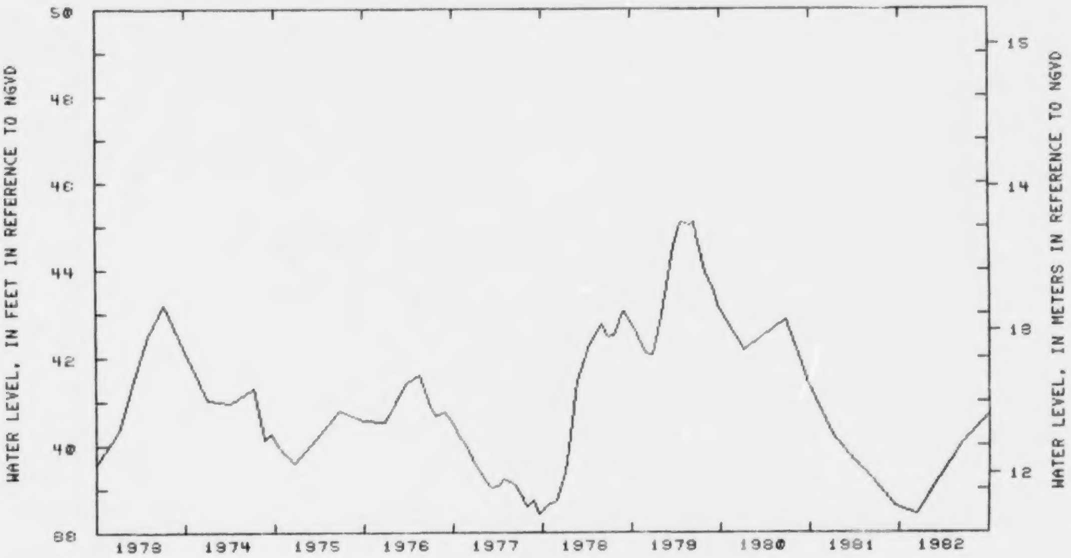
DATUM.--Land-surface datum is 123.7 ft (37.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.01 ft (0.92 m) above land-surface datum.

PERIOD OF RECORD.--August 1964 to current year. Unpublished records for August 1964 to September 1975 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 45.11 ft (13.75 m) NGVD, May 2 and June 12, 1979; lowest measured, 34.74 ft (10.59 m) NGVD, Jan. 27, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 14	38.42	MAR 15	39.26	JUN 14	40.08	SEP 30	40.71				



TIME, IN WATER YEARS

SUFFOLK COUNTY--Continued

404902073094004. Local number, S 23133.1

LOCATION.--Lat 40°49'02", long 73°09'40", Hydrologic Unit 02030202, at L. I. Motor Parkway, near Nichols Road, Hauppauge. Owner: U.S. Geological Survey.

AQUIFER.--Upper Glacial (water-table).

WELL CHARACTERISTICS.--Driven observation well, diameter 2 in (0.05 m), depth 29 ft (9 m), screened 26 to 29 ft (8 to 9 m).

DATUM.--Land-surface datum is 60.3 ft (18.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.59 ft (0.18 m) above land-surface datum.

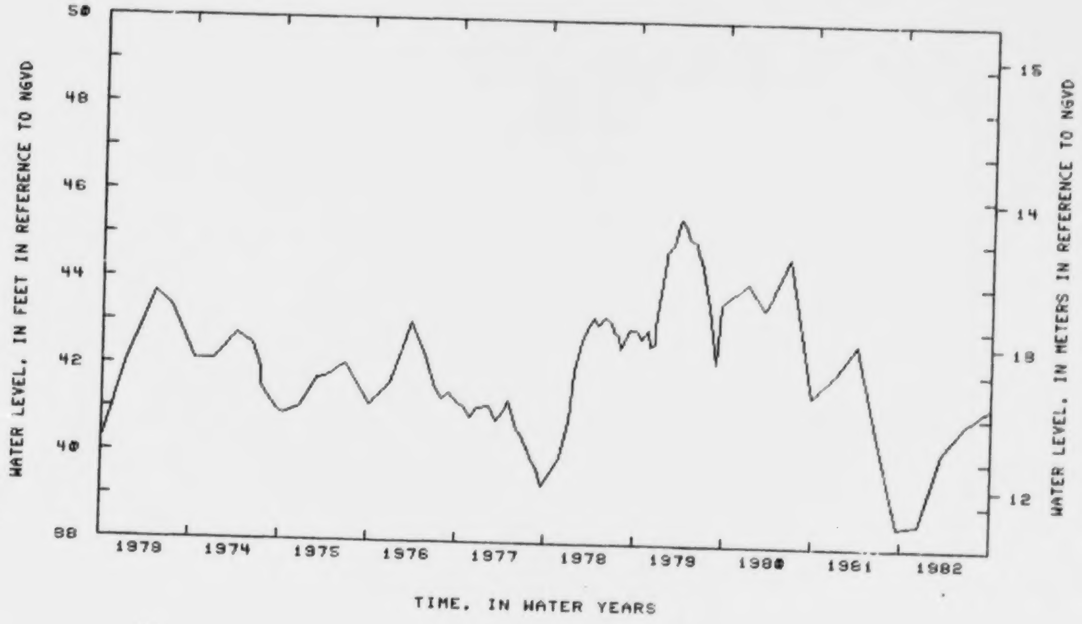
REMARKS.--Water-quality records for 1964 are available in files of Long Island Sub-district office.

PERIOD OF RECORD.--August 1964 to current year. Unpublished records for August 1964 to September 1975 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 45.50 ft (13.87 m) NGVD, Mar. 28, 1979; lowest measured, 35.66 ft (10.87 m) NGVD, Nov. 30, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 14	38.57	MAR 15	40.25	JUN 14	40.87	SEP 30	41.29				



SUFFOLK COUNTY--Continued

404809073160301. Local number, S 24769.1

LOCATION.--Lat 40°48'19", long 73°16'03", Hydrologic Unit 02030202, at Vanderbilt Parkway and Wicks Road, Brentwood. Owner: U.S. Geological Survey.

AQUIFER.--Magothy (confined).

WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in (0.10 m), depth 810 ft (247 m), screened 800 to 810 ft (244 to 247 m).

DATUM.--Land-surface datum is 139.0 ft (42.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.98 ft (0.60 m) above land-surface datum.

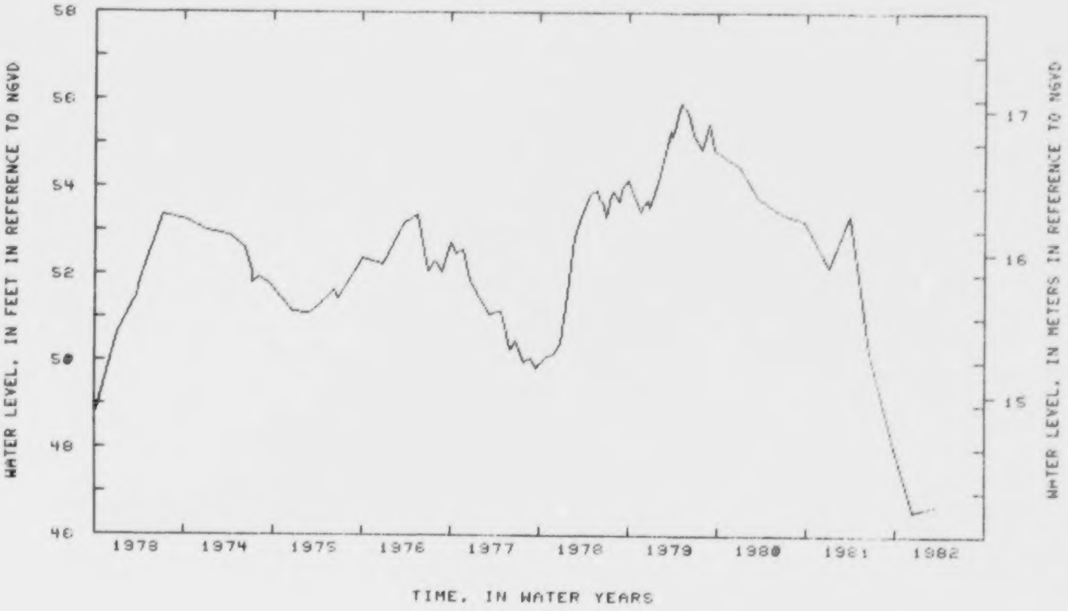
REMARKS.--Water-quality records for 1965 and 1972 are available in files of Long Island Sub-district office.

PERIOD OF RECORD.--August 1965 to current year. Unpublished records for August 1965 to September 1975 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 55.93 ft (17.05 m) NGVD, May 2, 1979; lowest measured, 45.31 ft (13.81 m) NGVD, Mar. 7, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 14	46.57	MAR 15	46.71								



404819073160304. Local number, S 24770.1

LOCATION.--Lat 40°48'19", long 73°16'03", Hydrologic Unit 02030202, at Vanderbilt Parkway and Wicks Road, Brentwood. Owner: U.S. Geological Survey.

AQUIFER.--Upper Glacial (water-table).

WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in (0.10 m), depth 434 ft (132 m), screened 424 to 434 ft (129 to 132 m).

DATUM.--Land-surface datum is 139.0 ft (42.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.01 ft (0.61 m) above land-surface datum.

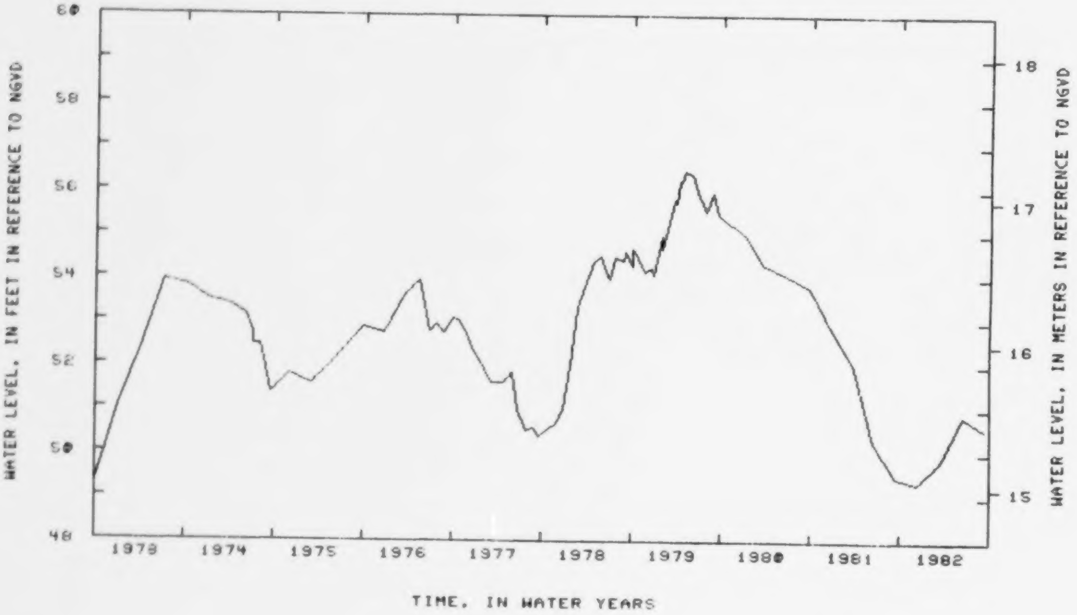
REMARKS.--Water-quality records for 1965 are available in files of Long Island Sub-district office.

PERIOD OF RECORD.--August 1965 to current year. Unpublished records for August 1965 to September 1975 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 56.48 ft (17.22 m) NGVD, May 2, 1979; lowest measured, 45.66 ft (13.92 m) NGVD, Mar. 7, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 14	49.34	MAR 15	49.82	JUN 14	50.85	SEP 13	50.58				



SUFFOLK COUNTY--Continued

404820073160303. Local number, S 24771.1

LOCATION.--Lat 40°48'20", long 73°16'03", Hydrologic Unit 02030202, at Vanderbilt Parkway and Wicks Road, Brentwood. Owner: U.S. Geological Survey.

AQUIFER.--Upper Glacial (water-table).

WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in (0.10 m), depth 127 ft (39 m), screened 117 to 127 ft (36 to 39 m).

DATUM.--Land-surface datum is 139.0 ft (42.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.86 ft (0.57 m) above land-surface datum.

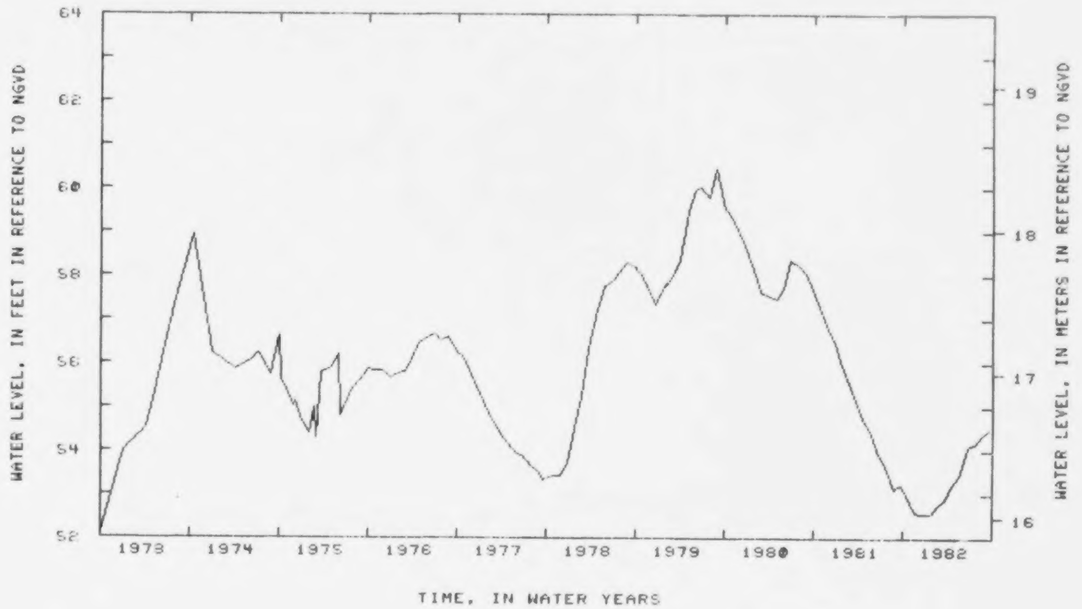
REMARKS.--Water-quality records for 1964-65 and 1972 are available in files of Long Island Sub-district office.

PERIOD OF RECORD.--August 1965 to current year. Unpublished records for August 1965 to September 1975 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 60.46 ft (18.43 m) NGVD, Aug. 28, 1979; lowest measured, 43.50 ft (13.26 m) NGVD, Nov. 30, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	52.84	DEC 21	52.56	FEB 24	52.78	APR 22	53.24	JUN 23	54.10	AUG 19	54.36
NOV 20	52.60	JAN 25	52.57	MAR 22	52.91	MAY 18	53.42	JUL 21	54.18	SEP 20	54.50



SUFFOLK COUNTY--Continued

404603073214803 Local number, S 27739 1

LOCATION --Lat 40°46'03", long 73°21'48", Hydrologic Unit 02030202, at Landscape Drive, near Seamans Road, Wyandanch Owner U S Geological Survey

AQUIFER --Magothy (confined)

WELL CHARACTERISTICS --Drilled observation well, diameter 4 in (0 10 m), depth 850 ft (259 m), screened 840 to 850 ft (256 to 259 m)

DATUM --Land-surface datum is 139 0 ft (42 4 m) National Geodetic Vertical Datum of 1929 Measuring point Top of casing, 2 37 ft (0 72 m) above land-surface datum

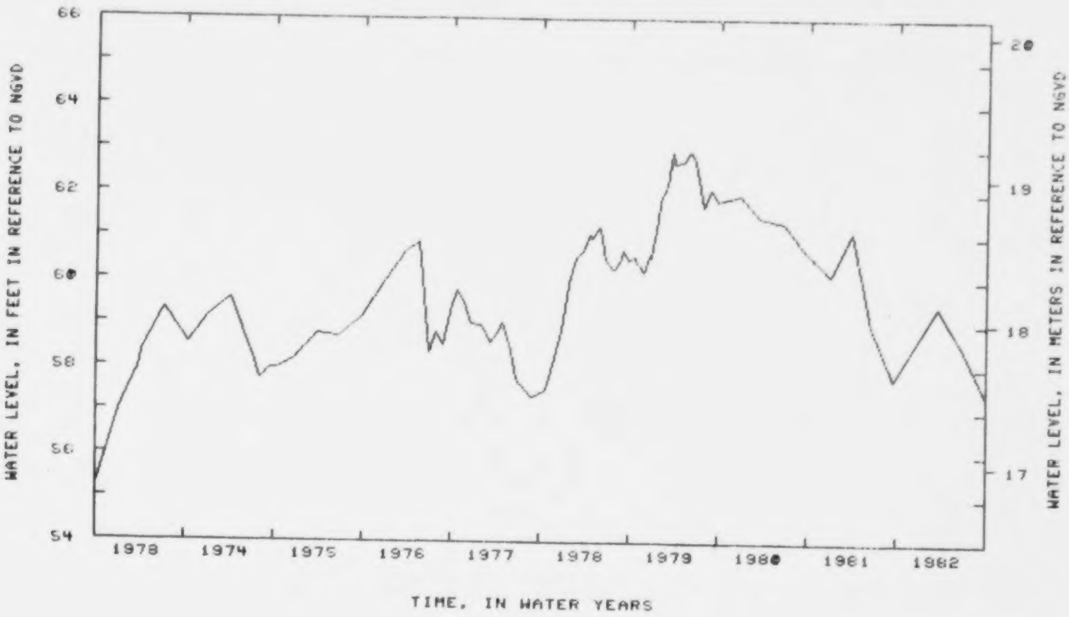
REMARKS --Water-quality records for 1966 and 1974 are available in files of Long Island Sub-district office

PERIOD OF RECORD --May 1966 to current year Unpublished records for May 1966 to September 1975 are available in files of Long Island Sub-district office

EXTREMES FOR PERIOD OF RECORD --Highest water level measured, 62 97 ft (19 19 m) NGVD, Mar 20, 1979, lowest measured, 50 85 ft (15 50 m) NGVD, Feb 15, 1967

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 14	58 57	MAR 16	59 44	JUN 14	58 60	SEP 28	57 35				



404603073214804 Local number, S 27740 1

LOCATION --Lat 40°46'03", long 73°21'48", Hydrologic Unit 02030202, at Landscape Drive near Seamans Road, Wyandanch Owner U.S. Geological Survey

AQUIFER --Magothy (water-table)

WELL CHARACTERISTICS --Drilled observation well, diameter 4 in (0.10 m), depth 429 ft (131 m), screened 419 to 429 ft (128 to 131 m)

DATUM --Land-surface datum is 139.0 ft (42.4 m) National Geodetic Vertical Datum of 1929 Measuring point Top of casing, 2.85 ft (0.87 m) above land-surface datum

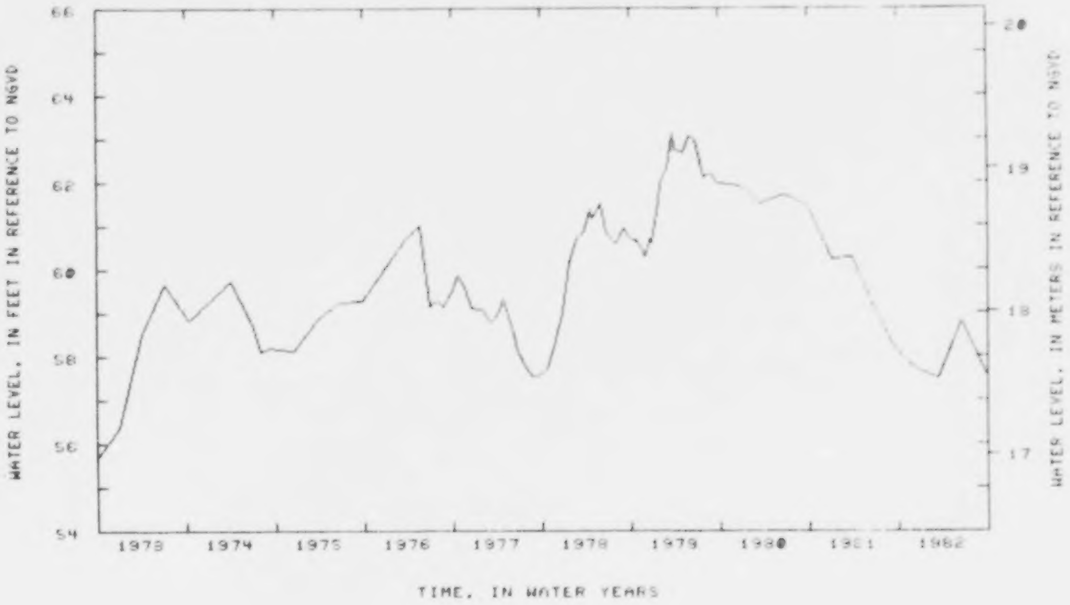
REMARKS --Water-quality records for 1966 and 1974 are available in files of Long Island Sub-district office

PERIOD OF RECORD --July 1966 to current year Unpublished records for July 1966 to September 1975 are available in files of Long Island Sub-district office

EXTREMES FOR PERIOD OF RECORD --Highest water level measured, 63.09 ft (19.23 m) NGVD, Mar. 20, 1979; lowest measured, 51.08 ft (15.57 m) NGVD, Feb. 15, 1967

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 14	57.69	MAR 16	57.50	JUN 14	58.80	SEP 28	57.55				



404710073264003. Local number, S 29776.1

LOCATION.--Lat 40°47'10", long 73°26'40", Hydrologic Unit 02030202, at Round Swamp Road, near Long Island Expressway, Melville. Owner: U.S. Geological Survey.

AQUIFER.--Magothy (water-table).

WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in (0.10 m), depth 720 ft (219 m), screened 710 to 720 ft (216 to 219 m).

DATUM.--Land-surface datum is 193.0 ft (58.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.44 ft (0.74 m) above land-surface datum.

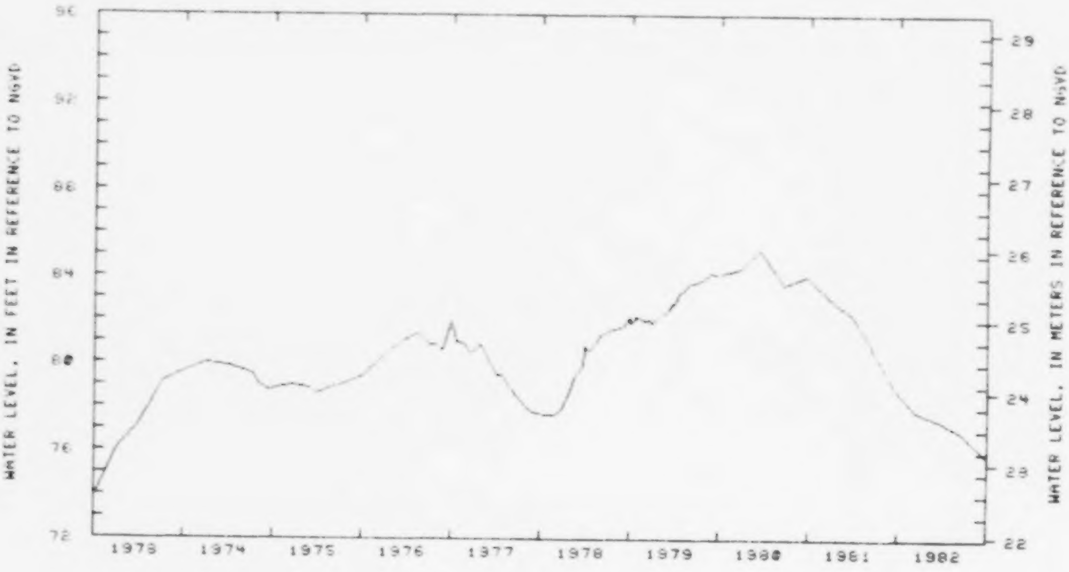
REMARKS.--Water-quality records for 1974 and 1976 are available in files of Long Island Sub-district office.

PERIOD OF RECORD.--May 1967 to current year. Unpublished records for May 1967 to September 1975 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 85.29 ft (26.00 m) NGVD, Mar. 11, 1980; lowest measured, 67.64 ft (20.62 m) NGVD, June 27, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 14	77.87	MAR 24	77.48	JUN 15	76.95	SEP 27	75.84				



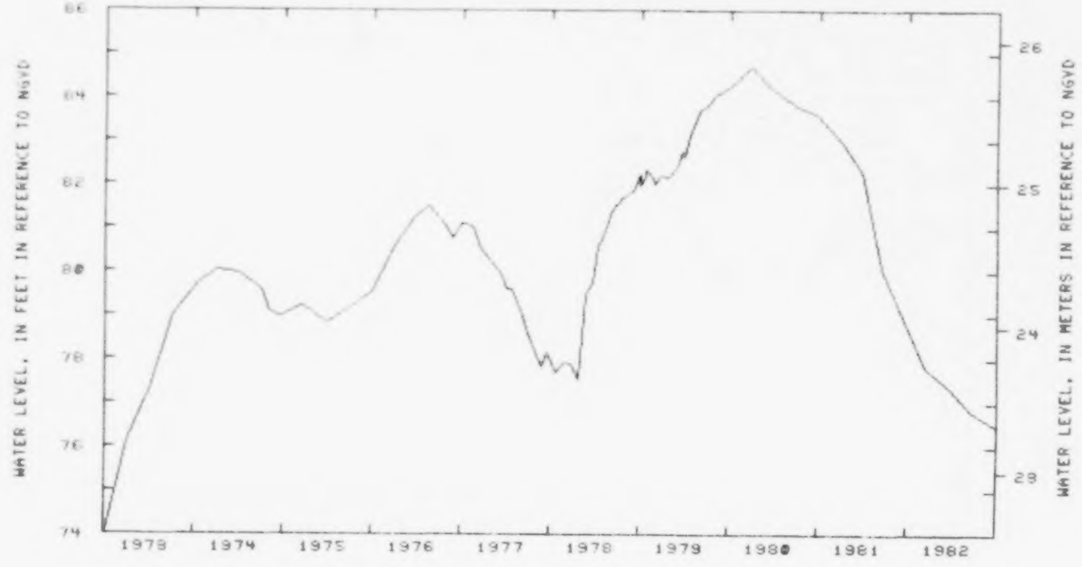
TIME, IN WATER YEARS

SUFFOLK COUNTY--Continued

404710073264003. Local number, S 29777.1.
LOCATION.--Lat 40°47'10", long 73°26'40", Hydrologic Unit 02030202, at Round Swamp Road, near Long Island Expressway, Melville. Owner: U.S. Geological Survey.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in (0.10 m), depth 397 ft (121 m), screened 387 to 397 ft (118 to 121 m).
DATUM.--Land-surface datum is 193.0 ft (58.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.80 ft (0.55 m) above land-surface datum.
REMARKS.--Water-quality records for 1967, 1974, 1976 are available in files of Long Island Sub-district office.
PERIOD OF RECORD.--May 1967 to current year. Unpublished records for May 1967 to September 1975 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 84.70 ft (25.82 m) NGVD, Dec. 27, 1979; lowest measured, 67.90 ft (20.70 m) NGVD, May 1, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 14	77.82	MAR 24	77.35	JUN 15	76.84	SEP 27	76.50				

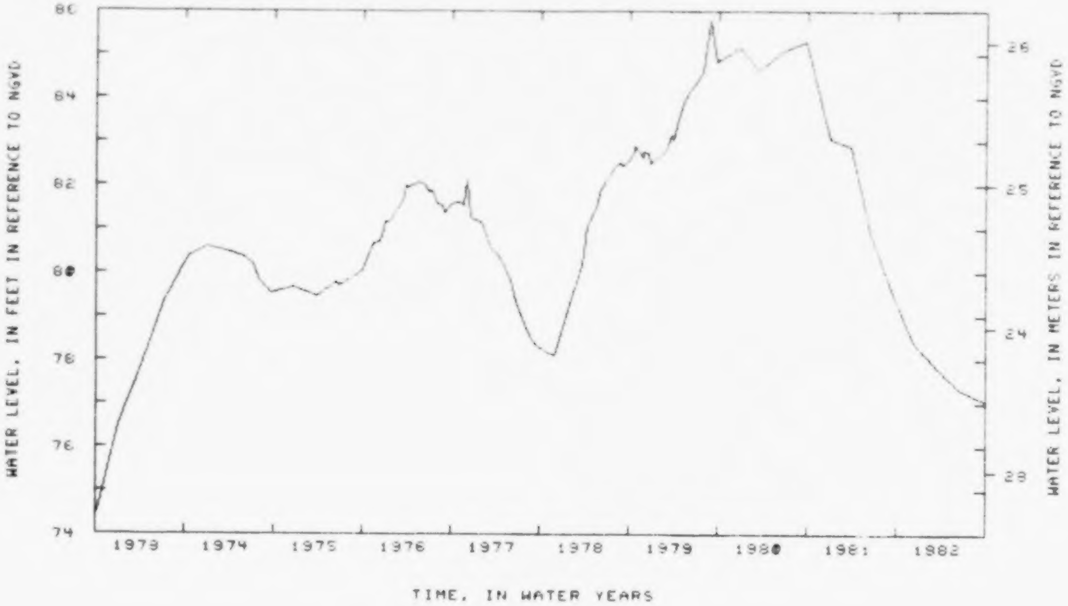


TIME, IN WATER YEARS

404710073264003. Local number, S 29778.1.
LOCATION.--Lat 40°47'10", long 73°26'40", Hydrologic Unit 02030202, at Round Swamp Road, near Long Island Expressway, Melville. Owner: U.S. Geological Survey.
AQUIFER.--Magothy (water-table).
WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in (0.10 m), depth 168 ft (51 m), screened 158 to 168 ft (48 to 51 m).
DATUM.--Land-surface datum is 193.0 ft (58.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.17 ft (0.66 m) above land-surface datum.
REMARKS.--Water-quality records for 1967, 1972, 1974-79, are available in files of Long Island Sub-district office.
PERIOD OF RECORD.--May 1967 to current year. Unpublished records for May 1967 to September 1975 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 85.79 ft (26.15 m) NGVD, Aug. 28, 1979; lowest measured, 68.27 ft (20.81 m) NGVD, June 27, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 14	78.39	MAR 24	77.81	JUN 15	77.34	SEP 27	77.07				



SUFFOLK COUNTY--Continued

405450073030302. Local number, S 31734.1

LOCATION.--Lat 40°54'50", long 73°03'03", Hydrologic Unit 02030202, at Jayne Boulevard, 0.7 mi (1.1 km) south of State Highway 347, Terryville. Owner: Suffolk County Water Authority.

AQUIFER.--Lloyd (confined).

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in (0.15 m), depth 1,095 ft (334 m), screened 1,069 to 1,090 ft (326 to 332 m).

DATUM.--Land-surface datum is 165.0 ft (50.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.25 in (0.03 m) hole in reducer 1.74 ft (0.53 m) above land-surface datum.

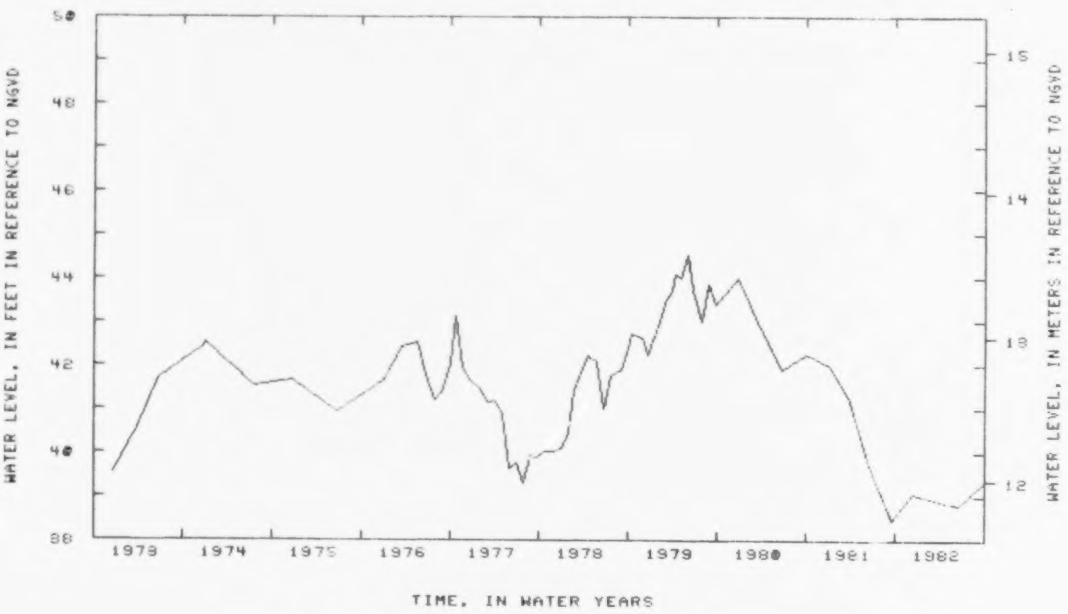
REMARKS.--Water-quality records for 1972 are available in files of Long Island Sub-district office.

PERIOD OF RECORD.--December 1970 to current year. Unpublished records for December 1970 to September 1975 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 44.52 ft (13.57 m) NGVD, May 30, 1979; lowest measured, 37.41 ft (11.40 m) NGVD, Mar. 20, 1972.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 15	39.06	MAR 16	38.94	JUN 15	38.79	SEP 24	39.29				



405452073025702. Local number, S 32895.1

LOCATION.--Lat 40°54′52", long 73°02′57", Hydrologic Unit 02030202, at Jayne Boulevard, 0.7 mi (1.1 km) south of State Highway 347, Terryville. Owner: Suffolk County Water Authority.

AQUIFER.--Magothy (confined).

WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in (0.10 m), depth 845 ft (258 m), screened 840 to 845 ft (2356 to 258 m).

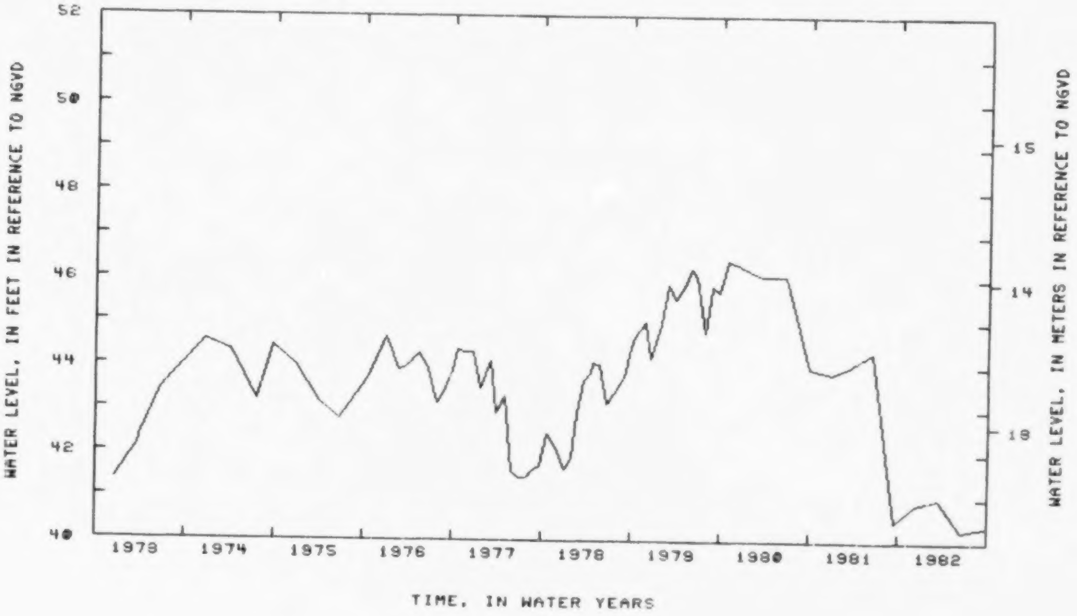
DATUM.--Land-surface datum is 165.0 ft (50.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 1.92 ft (0.58 m) above land-surface datum.

PERIOD OF RECORD.--March 1970 to current year. Unpublished records for March 1970 to September 1975 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water-level measured, 46.43 ft (14.15 m) NGVD, Oct. 27, 1979; lowest measured, 38.92 ft (11.86 m) NGVD, July 26, 1971.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 15	40.86	MAR 16	41.01	JUN 15	40.27	SEP 24	40.36				



SUFFOLK COUNTY--Continued

404932073055901. Local number, S 33379.1

LOCATION.--Lat 40°49'32", long 73°05'59", Hydrologic Unit 02030202, at Duncun Avenue and Portion Road, Lake Ronkonkoma. Owner: Suffolk County Water Authority.

AQUIFER.--Lloyd (confined).

WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in (0.10 m), depth 1,305 ft (398 m), screened 1,290 to 1,300 ft (393 to 396 m).

DATUM.--Land-surface datum is 134.0 ft (40.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.34 ft (0.71 m) above land-surface datum.

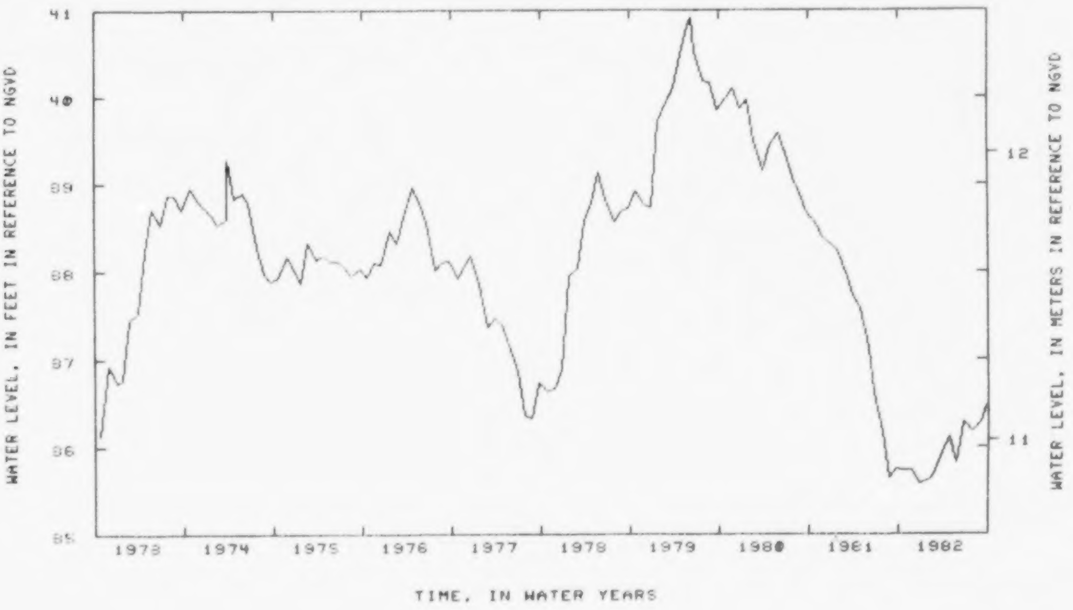
REMARKS.--Water-quality records for 1968 are available in files of Long Island Sub-district office.

PERIOD OF RECORD.--October 1968 to current year. Unpublished records for October 1968 to September 1975 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 40.92 ft (12.47 m) NGVD, Jun. 5, 1979; lowest measured, 34.13 ft (10.40 m) NGVD, Oct. 11, 1968.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	35.73	DEC 28	35.58	FEB 25	35.69	APR 27	36.11	JUN 25	36.28	AUG 30	36.28
NOV 25	35.74	JAN 28	35.62	MAR 25	35.94	MAY 25	35.82	JUL 27	36.18	SEP 23	36.47



SUFFOLK COUNTY--Continued

404932073055902. Local number, S 33380.1

LOCATION.--Lat 40°49'32", long 73°05'59", Hydrologic Unit 02030202, at Duncun Avenue and Portion Road, Lake Ronkonkoma. Owner: Suffolk County Water Authority.

AQUIFER.--Magothy (confined).

WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in (0.10 m), depth 850 ft (259 m), screened 840 to 850 ft (256 to 259 m).

DATUM.--Land-surface datum is 133.5 ft (40.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.13 ft (0.65 m) above land-surface datum.

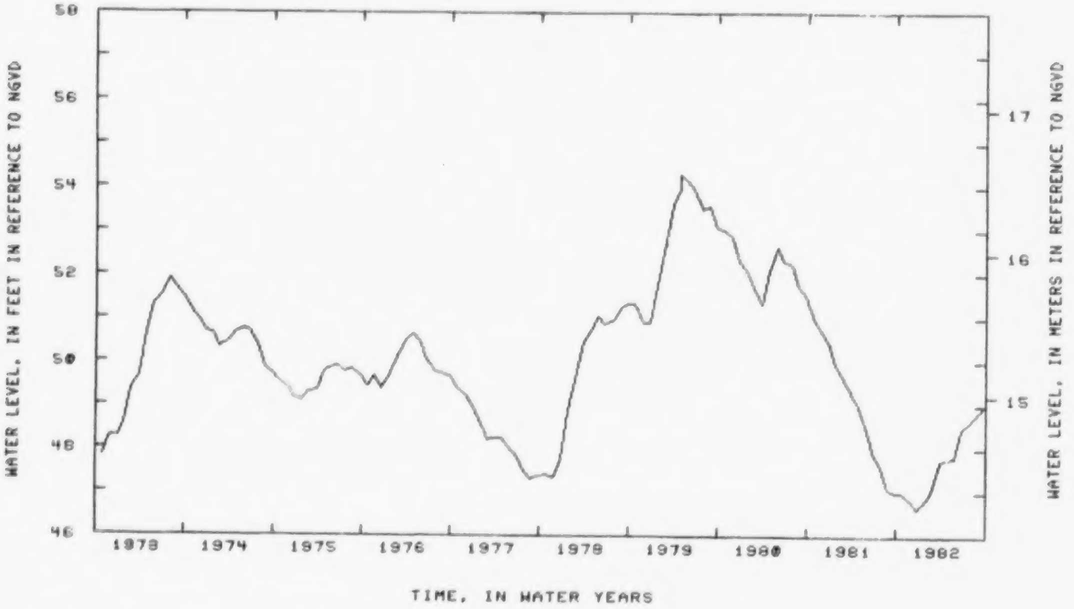
REMARKS.--Water-quality records for 1968 and 1976 are available in files of Long Island Sub-district office.

PERIOD OF RECORD.--October 1968 to current year. Unpublished records for October 1968 to September 1975 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 54.30 ft (16.55 m) NGVD, Apr. 27, 1979; lowest measured, 45.16 ft (13.76 m) above NGVD, Dec. 5, 1969.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	47.01	DEC 28	46.64	FEB 25	47.08	APR 27	47.77	JUN 25	48.46	AUG 30	48.86
NOV 25	46.83	JAN 28	46.87	MAR 25	47.75	MAY 25	47.79	JUL 27	48.63	SEP 23	49.00



405517072574902. Local number, S 34992.1

LOCATION.--Lat 40°55′17″, long 72°57′49″, Hydrologic Unit 02030202, at Radio Avenue, 1.3 mi (2.1 km) south of State Highway 25A, Rocky Point. Owner: Suffolk County Water Authority.

AQUIFER.--Upper Glacial (water-table).

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in (0.15 m), depth 138 ft (42 m), screened 124 to 138 ft (38 to 42 m).

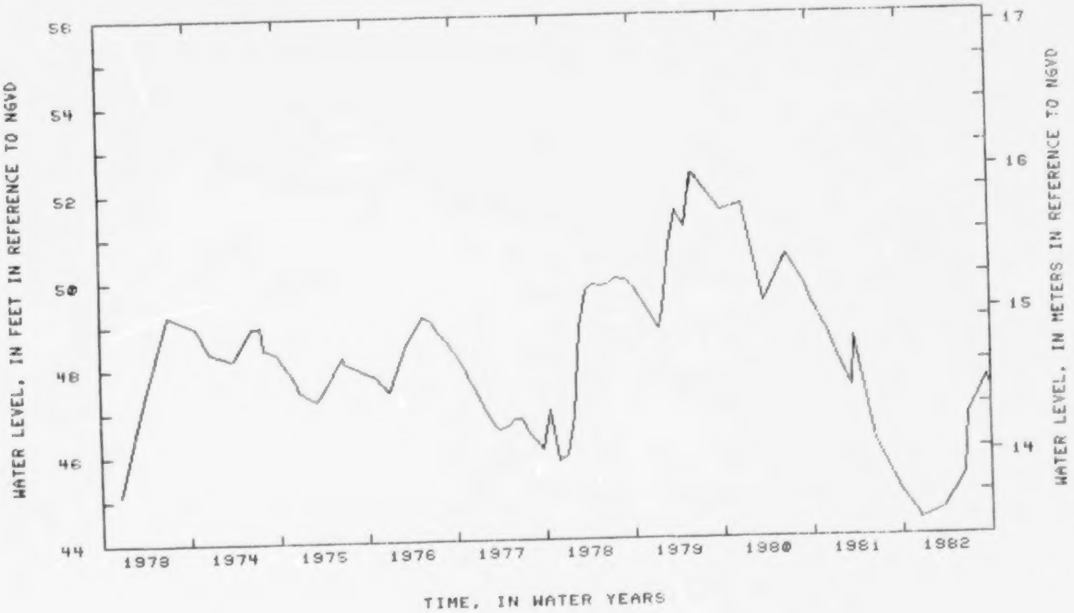
DATUM.--Land-surface datum is 122.5 ft (37.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.68 ft (0.21 m) above land-surface datum.

PERIOD OF RECORD.--July 1970 to current year. Unpublished records for July 1970 to September 1975 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 52.35 ft (15.96 m) NGVD, May 30, 1979; lowest measured, 42.17 ft (12.85 m) NGVD, Mar. 21, 1972.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 10	44.42 G	MAR 10	44.55 G	JUN 15	45.38	JUN 30	46.74 G	SEP 15	47.61 G	SEP 24	47.42
15	44.36	16	44.58								



G MEASUREMENT BY ANOTHER AGENCY

405517072574903. Local number, S 34894.1

LOCATION.--Lat 40°55'17", long 72°57'49", Hydrologic Unit 02030202, at Radio Avenue, 1.3 mi (2.1 km) south of State Highway 25A, Rocky Point. Owner: Suffolk County Water Authority.

AQUIFER.--Magothy (confined).

WELL CHARACTERISTICS.--Drilled observation well, diameter 12 in (0.30 m), depth 745 ft (227 m), screened 698 to 745 ft (213 to 227 m).

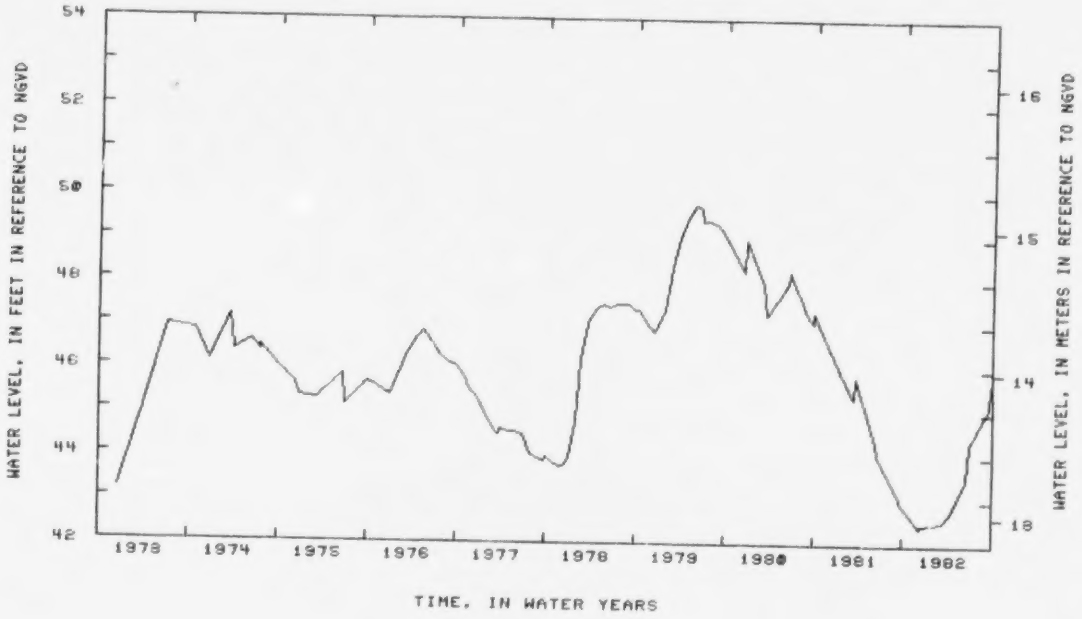
DATUM.--Land-surface datum is 124.0 ft (37.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 2 in (0.05 m) nipple, 3.82 ft (1.16 m) above land-surface datum.

PERIOD OF RECORD.--March 1970 to current year. Unpublished records for March 1970 to September 1975 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 49.78 ft (15.17 m) NGVD, May 30, 1979; lowest measured, 40.56 ft (12.36 m) NGVD, Mar. 15, 1972.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 10	42.39 G	MAR 10	42.52 G	APR 12	42.72	JUN 30	44.34 G	SEP 14	45.17 G	SEP 24	45.69
15	42.47	16	42.57	JUN 15	43.51						



G MEASUREMENT BY ANOTHER AGENCY

404640073050201. Local number, S 36144.1

LOCATION.--Lat 40°46'40", long 73°05'02", Hydrologic Unit 02030202, at Lincoln Avenue, Bohemia. Owner: Town of Islip.

AQUIFER.--Upper Glacial (water-table).

WELL CHARACTERISTICS.--Drilled observation well, diameter 2 in (0.05 m), depth 52.5 ft (16.0 m) screen assumed at bottom.

DATUM.--Land-surface datum is 54.0 ft (16.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.84 ft (0.56 m) above land-surface datum.

PERIOD OF RECORD.--November 1970 to current year. Unpublished records for November 1970 to September 1977 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 39.96 ft (12.18 m) NGVD, Mar. 29, 1979; lowest measured, 31.88 ft (9.72 m) NGVD, Dec. 15, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 15	31.88	MAR 16	33.18	JUN 14	34.74	SEP 28	34.92				

4047073023302. Local number, S 36145.1.

LOCATION.--Lat 40°47′07", long 73°02′33", Hydrologic Unit 02030202, at Patchogue-Holbrook Road and Waverly Avenue, near Islip-Brookhaven Town line, Holbrook. Owner: Suffolk County Department of Environmental Control.

AQUIFER.--Upper Glacial (water-table).

WELL CHARACTERISTICS.--Drilled observation well, diameter 2 in (0.05 m), depth 43 ft (13 m), screened 30 to 43 ft (9 to 13 m).

DATUM.--Land-surface datum is 44.6 ft (13.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.30 ft (0.09 m) below land-surface datum.

REMARKS.--Water-quality records for 1972 are available in files of Long Island Sub-district office.

PERIOD OF RECORD.--March 1970 to current year. Unpublished records for March 1970 to September 1976 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 33.90 ft (10.33 m) NGVD, Apr. 10, 1979; lowest measured, 29.56 ft (9.10 m) NGVD, Sept. 15, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 15	29.68	MAR 16	30.82	JUN 14	32.38	SEP 28	31.72				

405551072501601. Local number, S 36146.1.

LOCATION.--Lat 40°55′51", long 72°50′16", Hydrologic Unit 02030202, at Wading River Road, Wading River. Owner: Suffolk County Department of Public Works.

AQUIFER.--Upper Glacial (water-table).

WELL CHARACTERISTICS.--Drilled observation well, diameter 2 in (0.05 m), depth 86.6 ft (26.4 m) screen assumed at bottom.

DATUM.--Land-surface datum is 100.0 ft (30.5 m) National geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.51 ft (0.76 m) above land-surface datum.

PERIOD OF RECORD.--October 1970 to current year. Unpublished records for October 1970 to September 1977 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 39.70 ft (12.10 m) NGVD, Apr. 12, 1979; lowest measured, 32.08 ft (9.78 m) NGVD, Dec. 16, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 16	32.08	MAR 16	33.15	JUN 17	34.90	SEP 23	35.36				

410524072194201. Local number, S 38463.1.

LOCATION.--Lat 41°05′24", Long 72°19′42", Hydrologic Unit 02030202, at Cobbets Lane, east of Manhasset Road, Shelter Island. Owner: Mr. Hines.

AQUIFER.--Upper Glacial (water-table).

WELL CHARACTERISTICS.--Drilled domestic well, 4 in (0.10 m), depth 56 ft (17 m), screen assumed at bottom.

DATUM.--Land-surface datum is 59.9 ft (18.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, in well pit 5.45 ft (1.66 m) below land-surface datum.

PERIOD OF RECORD.--October 1970 to current year. Unpublished records for October 1970 to September 1976 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.52 ft (1.38 m) NGVD, Mar. 5, 1979; lowest measured, -1.89 ft (-0.58 m) NGVD, June 25, 1971.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 17	0.55	JUN 11	4.00 G								

G MEASUREMENT BY ANOTHER AGENCY

SUFFOLK COUNTY--Continued

405153073241101. Local number, S 40841.1
LOCATION.--Lat 40°51'53", long 73°24'11", Hydrologic Unit 02030201, Park Avenue and Dunlop Road, Huntington. Owner: Suffolk County Department of Public Works.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled observation well, 2 in (0.05 m), depth 65.8 ft (20.1 m), screen assumed at bottom.
DATUM.--Land-surface datum is 108.0 ft (32.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.30 ft (0.09 m) below land-surface datum.
PERIOD OF RECORD.--October 1971 to current year. Unpublished records for October 1971 to September 1977 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 69.55 ft (21.20 m) NGVD, Mar. 20, June 20, 1979; lowest measured, 62.10 ft (18.93 m) NGVD, Sept. 27, 1982.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 14	63.36	MAR 15	63.08	JUN 14	63.16	SEP 27	62.10				

405222073021301. Local number, S 41050.1
LOCATION.--Lat 40°52'22", long 73°02'13", Hydrologic Unit 02030202, at Dare Road, 190 ft (58 m) south of Pine Street, North Selden. Owner: Suffolk County Water Authority.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled observation well, diameter 8 in (0.20 m), depth 71 ft (22 m), screened 67 to 69 ft (20 to 21 m), sump bottom below screen.
DATUM.--Land-surface datum is 89.4 ft (27.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 2 in (0.05 m) reducer plug, 0.78 ft (0.24 m) above land-surface datum.
REMARKS.--Water-quality records for 1978, 1979 are available in files of the Long Island Sub-district office.
PERIOD OF RECORD.--February 1972 to current year. Unpublished records for February 1972 to September 1976 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 75.18 ft (22.91 m) NGVD, Apr. 10, 1979; lowest measured, 60.29 ft (18.38 m) NGVD, July 11, 1972.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 15	66.63	MAR 16	68.08	JUN 22	70.10	SEP 28	68.13				

405332072262201. Local number, S 46531.1
LOCATION.--Lat 40°53'32", long 72°26'22", Hydrologic Unit 02030202, at Tuckahoe Road, 189 ft (58 m) north of Route 27, Southampton. Owner: Town of Southampton.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled observation well, diameter 2 in (0.05 m), depth 42 ft (13 m), screen assumed at bottom.
DATUM.--Land-surface datum is 36.4 ft (11.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.13 ft (0.04 m) below land-surface datum.
PERIOD OF RECORD.--November 1972 to current year. Unpublished records for November 1972 to September 1976 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.01 ft (1.83 m) NGVD, May 8, 1973; lowest measured, 3.47 ft (1.06 m) NGVD, Dec. 30, 1980.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 18	3.63	MAR 24	4.12	JUN 18	5.72	SEP 22	4.44				

SUFFOLK COUNTY--Continued

405231072341901. Local number, S 46534.1

LOCATION.--Lat 40°52'31", long 72°34'19", Hydrologic Unit 02030202, at Route 27, 2.5 miles (4.0 km) east of Route 113, and 2.25 miles (3.62 km) west of Hampton Bays, South Flanders. Owner: New York State Department of Transportation.

AQUIFER.--Upper Glacial (water-table).

WELL CHARACTERISTICS.--Drilled observation well, diameter 2 in (0.05 m), depth 84 ft (26 m), screened 81 to 84 ft (25 to 26 m).

DATUM.--Land-surface datum is 82.0 ft (25.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.70 ft (0.52 m) above land-surface datum.

PERIOD OF RECORD.--January 1973 to current year. Unpublished records for January 1973 to September 1976 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.69 ft (4.38 m) NGVD, Apr. 4, 1979; lowest measured, 9.28 ft (2.83 m) above NGVD, Dec. 16, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 16	9.28	MAR 18	10.15	JUN 16	10.00	SEP 21	11.57				

405130072353101. Local number, S 46537.1

LOCATION.--Lat 40°51'30", long 72°35'31", Hydrologic Unit 02030202, at Spinney Road, 0.6 mi (1.0 km) south of Hampton Bays Road, East Quogue. Owner: Town of Southampton.

AQUIFER.--Upper Glacial (water-table).

WELL CHARACTERISTICS.--Drilled observation well, diameter 2 in (0.05 m), depth 50 ft (15 m), screen assumed at bottom.

DATUM.--Land-surface datum is 56.20 ft (17.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.21 ft (0.06 m) below land-surface datum.

PERIOD OF RECORD.--December 1972 to current year. Unpublished records for December 1972 to September 1976 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.02 ft (4.88 m) NGVD, July 2, 1980; lowest measured, 9.51 ft (2.90 m) NGVD, Dec. 18, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 18	9.51	MAR 24	10.29	JUN 16	11.53	SEP 21	11.99				

405021072355801. Local number, S 46540.1

LOCATION.--Lat 40°50'21", long 72°35'58", Hydrologic Unit 02030202, at intersection of Railroad and Midhampton Avenues, Quogue. Owner: Town of Southampton.

AQUIFER.--Upper Glacial (water-table).

WELL CHARACTERISTICS.--Drilled observation well, diameter 2 in (0.05 m), depth 41 ft (12 m), screen assumed at bottom.

DATUM.--Land-surface datum is 38 ft (12 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.24 ft (0.08 m) below land-surface datum.

PERIOD OF RECORD.--November 1972 to current year. Unpublished records for November 1972 to September 1977 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.64 ft (3.55 m) NGVD, Apr. 2, 1979; lowest measured, 6.96 ft (2.12 m) NGVD, Dec. 18, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 18	6.96	MAR 24	8.06	JUN 16	10.34	SEP 21	8.45				

405019072443801. Local number, S 46541.1

LOCATION --Lat 40°50'19", long 72°44'38", Hydrologic Unit 02030202, at intersection County Road 51 and County Road 63, Wildwood Lake. Owner: Suffolk County Department of Public Works.
AQUIFER --Upper Glacial (water-table).
WELL CHARACTERISTICS --Drilled observation well, diameter 2 in (0.05 m), depth 34 ft (10 m), screen assumed at bottom.
DATUM --Land-surface datum is 27.0 ft (8.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.26 ft (0.08 m) above land-surface datum.
PERIOD OF RECORD --December 1972 to current year. Unpublished records for December 1972 to September 1976 are available in files of Long Island Sub-District office.
EXTREMES FOR PERIOD OF RECORD --Highest water level measured, 19.07 ft (5.81 m) NGVD, Feb. 2, 1979; lowest measured, 15.75 ft (4.80 m) NGVD, Sept. 17, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 16	15.88	MAR 18	16.57	JUN 16	[illegible]	SEP 21	16.65				

405302072415101. Local number, S 46542.1

LOCATION --Lat 40°53'02", long 72°41'51", Hydrologic Unit 02030202, at Speonk Road and County Road 51, Riverhead. Owner: Suffolk County Department of Public works.
AQUIFER --Upper Glacial (water-table).
WELL CHARACTERISTICS --Drilled observation well, diameter 2 in (0.05 m), depth 149 ft (45 m), screen assumed at bottom.
DATUM --Land-surface datum is 163.0 ft (49.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.15 ft (0.05 m) above land-surface datum.
PERIOD OF RECORD --December 1972 to current year. Unpublished records for December 1972 to September 1976 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD --Highest water level measured, 30.42 ft (9.27 m) NGVD, June 29, 1979; lowest measured, 22.59 ft (6.88 m) NGVD, Mar. 18, 1982.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 16	22.63	MAR 18	22.59	JUN 16	23.21	SEP 21	25.33				

405140072432501. Local number, S 46544.1

LOCATION --Lat 40°51'40", long 72°43'25", Hydrologic Unit 02030202, at County Road 51 and Service Road for Recharge Basin 34, Calverton. Owner: Suffolk County Department of Public Works.
AQUIFER --Upper Glacial (water-table).
WELL CHARACTERISTICS --Drilled observation well, diameter 2 in (0.05 m), depth 107 ft (33 m), screen assumed at bottom.
DATUM --Land-surface datum is 103.0 ft (31.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.29 ft (0.09 m) below land-surface datum.
PERIOD OF RECORD --December 1972 to current year. Unpublished records for December 1972 to September 1976 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD --Highest water level measured, 31.28 ft (9.53 m) NGVD, June 28, 1979; lowest measured, 23.76 ft (7.24 m) NGVD, Mar. 18, 1982.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 16	24.86	MAR 18	23.76	JUN 17	24.37	SEP 23	26.31				

SUFFOLK COUNTY--Continued

405330072443701. Local number, S 46545.1.

LOCATION.--Lat 40°53'30", long 72°44'37", Hydrologic Unit 02030202, at Toppings Path, 0.9 mi (1.4 km) south of Nugget Drive, Calverton. Owner: Town of Brookhaven.

AQUIFER.--Upper Glacial (water-table).

WELL CHARACTERISTICS.--Drilled observation well, diameter 2 in (0.05 m), depth 73 ft (22 m), screen 70 to 73 ft (21 to 22 m).

DATUM.--Land-surface datum is 107.0 ft (32.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.14 ft (0.65 m) above land-surface datum.

PERIOD OF RECORD.--December 1972 to current year. Unpublished records for December 1972 to September 1976 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 43.83 ft (13.36 m) NGVD, June 28, 1979; lowest measured, 37.22 ft (11.34 m) NGVD, Oct. 7, 1977.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP 23	38.60										

405716072591601. Local number, S 46548.1.

LOCATION.--Lat 40°57'16", long 72°59'16", Hydrologic Unit 02030201, at Woodhull Landing Road and Old Rocky Point Road, Miller Place. Owner: Town of Brookhaven.

AQUIFER.--Upper Glacial (water-table).

WELL CHARACTERISTICS.--Drilled observation well, diameter 2 in (0.05 m), depth 84 ft (26 m), screen assumed at bottom.

DATUM.--Land-surface datum is 71.0 ft (21.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.27 ft (0.08 m) below land-surface datum.

PERIOD OF RECORD.--December 1972 to current year. Unpublished records for December 1972 to September 1976 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.14 ft (3.70 m) NGVD, June 22, 1979; lowest measured, 8.59 ft (2.62 m) NGVD, Mar. 16, 1982.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 15	8.60	MAR 16	8.59	JUN 15	8.99	SEP 24	9.93				

404813073084101. Local number, S 65601.1.

LOCATION.--Lat 40°48'13", long 73°08'41", Hydrologic Unit 02030202, at Johnson Avenue and Terry Road, Ronkonkoma. Owner: U.S. Geological Survey.

AQUIFER.--Upper Glacial (water-table).

WELL CHARACTERISTICS.--Drilled observation well, diameter 2 in (0.05 m), depth 41 ft (12 m), screened 38 to 41 ft (11 to 12 m).

DATUM.--Land-surface datum is 62.6 ft (19.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.20 ft (0.06 m) below land-surface datum.

REMARKS.--Replaces well S 1813-2, September 1978.

PERIOD OF RECORD.--September 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 42.10 ft (12.83 m) NGVD, Apr. 10, 1979; lowest measured, 36.46 ft (11.11 m) NGVD, Jan. 25, 1951.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	37.40	DEC 21	37.61	FEB 24	38.56	APR 22	38.95	JUN 23	39.86	AUG 19	39.45
NOV 20	37.18	JAN 25	37.38	MAR 22	38.70	MAY 18	38.87	JUL 21	40.47	SEP 20	39.16

SUFFOLK COUNTY--Continued

405030073180601 Local number, S 65602.1
LOCATION.--Lat 40°50'30", long 73°18'06", Hydrologic Unit 02030202, at Wiltshire Drive and Renee Place, Commack. Owner: U.S. Geological Survey.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled observation well, diameter 2 in (0.05 m), depth 96 ft (29 m), screened 91 to 96 ft (28 to 29 m).
DATUM.--Land-surface datum is 146 ft (44 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.19 ft (0.06 m) below land-surface datum.
REMARKS.--Replaces well S 3514, September 1978.
PERIOD OF RECORD.--October 1978 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 76.41 ft (32.29 m) NGVD, Aug. 28, 1979; lowest measured, 64.23 ft (19.58 m) NGVD, Mar. 18, 26, 1951.

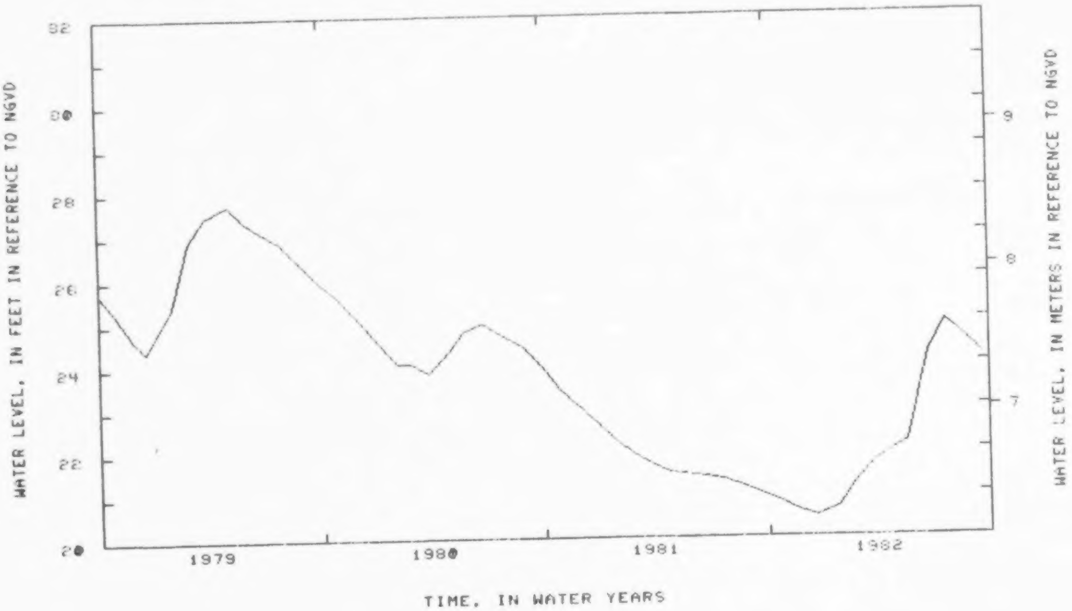
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	70.25	DEC 21	70.00	FEB 24	70.29	APR 22	70.95	JUN 23	71.36	AUG 19	71.50
NOV 20	70.20	JAN 25	69.74	MAR 22	70.60	MAY 18	71.00	JUL 21	71.32	SEP 20	71.55

404936072483501 Local number, S 65604.1
LOCATION.--Lat 40°49'36", long 72°48'35", Hydrologic Unit 02030202, at Chichester Avenue near Sunrise Highway, Manorville. Owner: U.S. Geological Survey.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled observation well, diameter 2 in (0.05 m), depth 56 ft (17 m), screened 51 to 56 ft (16 to 17 m).
DATUM.--Land-surface datum is 64 ft (19.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling (0.05 m) below land-surface datum.
REMARKS.--Replaces well S 6439, October 1978.
PERIOD OF RECORD.--October 1978 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 28.21 ft (8.60 m) NGVD, June 28, 1978; lowest measured, 20.48 ft (6.24 m) NGVD, Dec. 21, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	20.78	DEC 21	20.48	FEB 24	21.23	APR 22	21.95	JUN 23	24.20	AUG 19	24.61
NOV 20	20.61	JAN 25	20.68	MAR 22	21.71	MAY 18	22.15	JUL 21	24.92	SEP 20	24.16



SUFFOLK COUNTY--Continued

410226072283801 Local number, S 65606.1
LOCATION.--Lat 41°02'26", long 72°28'38", Hydrologic Unit 02030201, at Sound Avenue, near Peconic. Owner: U.S. Geological Survey.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled observation well, diameter 2 in (0.05 m), depth 51 ft (15.5 m), screened 46 to 51 ft (14 to 15.5 m).
DATUM.--Land-surface datum is 37.3 ft (11.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.30 ft (0.09 m) below land-surface datum.
REMARKS.--Replaces well S 16777-2, October 1978.
PERIOD OF RECORD.--September 1978 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.89 ft (2.71 m) NGVD, Mar. 6, 1979; lowest measured, 2.27 ft (0.67 m) NGVD, Aug. 31, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 4	2.66 G	MAR 18	4.87	JUN 14	7.17 G	JUN 16	6.51	SEP 17	5.05 G	SEP 21	5.19
17	3.91	23	4.35 G								

G MEASUREMENT BY ANOTHER AGENCY

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

NASSAU COUNTY

All samples were collected and analyzed by U.S. Geological Survey.

STATION NUMBER	LOCAL IDENT- I- FIER	GEO- LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	BARO- METRIC PRES- SURE (MM OF HG)	OXYGEN, DIS- SOLVED (MG/L)
403818073421501	N 1114	112GLCLU	82-08-30	31	625	6.6	19.0	768	4.5
404736073353101	N 1176	211MGTY	82-09-01	198	40	5.8	14.0	768	9.0
404239073255201	N 1251	112GLCLU	82-08-30	29	209	5.2	20.0	768	5.0
403920073410701	N 1429	112GLCLU	82-08-31	24	500	6.5	25.0	768	5.5
403517073430704	N 6704	211MGTY	81-10-20	294	92	6.6	14.0	--	--
403533073353201	N 6849	211RCNF	81-10-21	1040	625	9.6	14.0	--	--
404544073265603	N 7397	112GLCLU	82-09-01	107	>1000	4.7	14.0	768	9.2
404730073423101	N 8877	112GLCLU	82-08-31	76	170	6.5	14.0	768	5.5
404702073305601	N 8888	112GLCLU	82-09-01	111	475	5.2	16.0	768	7.4

DATE OF SAMPLE	HARD- NESS (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY LAB (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SIO2)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)
82-08-30	95	31	4.2	48	4.3	60	3.0	110	<.1	6.5	--	--
82-09-01	7	1.5	.7	3.6	.5	<1.0	1.0	4.4	<.1	8.9	32	--
82-08-30	--	--	--	--	3.3	9.0	19	17	<.1	--	--	--
82-08-31	130	43	6.5	21	9.1	39	35	27	<.1	7.8	22	22.0
81-10-20	--	--	--	--	--	--	--	8.3	--	--	--	--
81-10-21	--	--	--	--	--	--	--	50	--	--	--	--
82-09-01	190	25	31	180	3.2	3.0	8.0	360	<.1	7.6	--	--
82-08-31	54	11	6.4	7.3	1.5	35	20	7.4	<.1	19	--	--
82-09-01	--	--	--	--	--	<1.0	37	68	<.1	--	--	--

DATE OF SAMPLE	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN DIS- SOLVED (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)
82-08-30	<.010	4.00	4.10	.00	.00	4.7	4.3	.170	.160	--	420
82-09-01	.010	.100	--	.30	--	32	--	.050	--	--	--
82-08-30	<.010	3.20	3.10	.00	.20	2.8	--	.030	.020	3100	370
82-08-31	.060	.210	.210	2.1	2.1	24	24	1.60	.160	--	--
81-10-20	--	--	--	--	--	--	--	--	--	--	--
81-10-21	--	--	--	--	--	--	--	--	--	--	--
82-09-01	--	--	.050	--	.75	--	6.5	--	.020	2400	290
82-08-31	<.010	.120	.080	.68	.62	5.2	1.1	.030	.020	7600	180
82-09-01	<.010	4.30	--	.00	--	13	--	<.010	--	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

NASSAU COUNTY--Continued

All samples were collected and analyzed by U.S. Geological Survey.
Additional analyses in Minor Element and Pesticide analyses of ground water.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	HARD-NESS (MG/L AS CACO3)
404407073331501 N	9182 CD CK WELL 9A	211MGTY	82-02-22	195	381	5.0	16.0	7.0	77
		211MGTY	82-08-18	195	415	5.1	15.0	7.0	110
404407073331502 N	9183 CD CK WELL 9B	211MGTY	82-02-22	105	353	5.2	14.5	6.6	54
		211MGTY	82-08-18	105	310	5.2	15.0	4.0	57
404407073331503 N	9184 CD CK WELL 9C	112GLCLU	82-02-22	45	363	5.1	16.5	3.2	110
		112GLCLU	82-08-18	45	350	5.3	14.0	6.2	46
404404073330401 N	9193 CD CK WELL 10A	211MGTY	82-02-23	205	267	4.8	13.5	3.0	65
		211MGTY	82-08-16	205	275	5.8	14.0	5.6	65
404404073330402 N	9194 CD CK WELL 10B	211MGTY	82-02-23	105	330	5.5	14.2	2.1	80
		211MGTY	82-08-16	105	385	6.0	15.0	3.1	85
404404073330403 N	9195 CD CK WELL 10C	112GLCLU	82-02-23	45	245	5.0	14.5	2.5	58
		112GLCLU	82-08-16	45	270	5.4	14.0	3.7	59

DATE OF SAMPLE	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)
82-02-22	18	7.8	46	1.8	37	61	<.1	11	191	--	--	.040
82-08-18	34	6.4	20	7.1	38	68	<.1	11	189	--	--	<.010
82-02-22	13	5.3	46	2.8	16	51	.1	8.9	144	--	--	.040
82-08-18	14	5.3	40	1.9	21	54	.2	9.2	152	--	--	<.010
82-02-22	32	6.4	19	6.8	37	23	<.1	11	139	--	--	.010
82-08-18	5.8	7.6	47	.9	52	21	<.1	11	162	--	--	<.010
82-02-23	16	6.0	22	1.7	19	17	<.1	11	96	--	--	.030
82-08-16	16	6.1	23	1.3	25	17	.1	12	106	--	--	<.010
82-02-23	23	5.4	32	9.6	39	21	<.1	16	162	17	--	1.20
82-08-16	25	5.5	26	9.8	34	21	<.1	16	154	--	--	1.10
82-02-23	19	2.6	23	5.2	29	25	1.3	12	121	13	13.0	.040
82-08-16	19	2.7	20	4.6	31	21	1.2	13	117	11	11.0	<.010

DATE OF SAMPLE	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C)
82-02-22	.88	.92	9.4	<.010	.4	.1
82-08-18	--	.40	11	<.010	.7	<.1
82-02-22	.17	.21	8.3	<.010	.7	.2
82-08-18	--	.30	9.6	<.010	.7	.1
82-02-22	.38	.39	19	.070	1.4	.2
82-08-18	--	.30	18	.060	1.4	.1
82-02-23	--	<.10	--	<.010	1.5	1.7
82-08-16	--	.20	17	<.010	.9	<.1
82-02-23	.00	1.10	18	<.010	1.7	.1
82-08-16	3.1	4.20	21	.040	1.3	.1
82-02-23	.28	.32	13	.260	2.0	.8
82-08-16	--	.20	11	.260	1.4	.1

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

NASSAU COUNTY--Continued

All samples were collected and analyzed by U.S. Geological Survey.
Additional analyses in Minor Element and Pesticide analyses of ground water.

STATION NUMBER	LOCAL IDENT- I- FIER	GEO- LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	HARD- NESS (MG/L AS CACO3)
404404073325301 N	9196 CD CK WELL 11A	211MGTY	82-02-22	205	134	5.1	12.5	6.1	18
		211MGTY	82-06-09	205	--	--	--	--	17
		211MGTY	82-08-17	205	125	6.7	14.0	5.2	16
404404073325302 N	9197 CD CK WELL 11B	211MGTY	82-02-22	95	363	5.2	13.5	3.4	77
		211MGTY	82-06-09	95	390	4.9	16.0	2.4	80
		211MGTY	82-08-17	95	425	6.1	15.0	5.4	77
404404073325303 N	9198 CD CK WELL 11C	112GLCLU	82-02-22	45	361	4.6	14.5	4.5	74
		112GLCLU	82-06-09	45	410	4.3	16.0	4.9	74
		112GLCLU	82-08-17	45	375	6.4	15.0	3.7	67
		112GLCLU	82-09-15	45	350	4.6	15.0	3.7	64
404407073331601 N	9199 CD CK WELL 8A	211MGTY	82-02-22	105	352	5.2	16.0	3.2	--
		211MGTY	82-08-17	105	280	5.5	15.0	3.8	50
404407073331602 N	9200 CD CK WELL 8B	112GLCLU	82-02-22	45	395	6.1	17.0	6.0	69
		112GLCLU	82-08-17	45	325	5.5	15.0	6.4	59

DATE OF SAMPLE	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SIO2)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)
82-02-22	4.6	1.6	6.4	1.0	5.8	8.7	<.1	6.5	36	--	--	.060
82-06-09	4.3	1.5	5.6	.8	<1.0	9.7	<.1	6.4	--	--	--	.120
82-08-17	4.1	1.4	6.8	.5	2.0	9.4	<.1	6.9	33	--	--	.010
82-02-22	25	3.6	31	7.9	40	35	<.1	13	162	15	15.0	.020
82-06-09	26	3.7	28	7.4	38	36	<.1	13	159	--	--	.110
82-08-17	25	3.5	31	7.3	32	33	<.1	14	152	--	--	.030
82-02-22	24	3.4	31	6.6	40	33	.5	14	154	16	16.0	<.010
82-06-09	24	3.5	30	6.6	42	39	.4	14	161	28	26.0	.010
82-08-17	22	2.9	35	6.1	38	34	.3	15	155	16	15.0	<.010
82-09-15	21	2.9	36	6.1	36	29	.4	16	154	16	--	.020
82-02-22	--	--	--	--	30	44	.1	--	--	--	--	.060
82-08-17	12	4.8	34	2.3	27	45	<.1	5.7	139	--	--	<.010
82-02-22	21	4.1	38	4.3	38	54	<.1	9.0	174	--	10.0	.060
82-08-17	18	3.4	34	3.5	34	47	<.1	9.5	156	--	--	<.010

DATE OF SAMPLE	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	CARBON, ORGANIC SUS- PENDED TOTAL (MG/L AS C)
82-02-22	--	<.10	--	<.010	.6	<.1
82-06-09	.18	.30	5.6	<.010	--	--
82-08-17	.19	.20	5.6	<.010	1.0	--
82-02-22	.76	.78	16	.030	.5	.1
82-06-09	.59	.70	18	<.010	1.1	--
82-08-17	3.7	3.70	21	<.010	1.5	.1
82-02-22	--	.21	16	.040	1.0	.2
82-06-09	.49	.50	29	.020	2.6	.1
82-08-17	--	2.20	18	<.010	2.2	--
82-09-15	.18	.20	16	.020	--	--
82-02-22	.51	.57	7.4	<.010	1.8	.2
82-08-17	--	.10	7.1	<.010	1.3	.1
82-02-22	.57	.63	11	<.010	.7	.1
82-08-17	--	<.10	--	<.010	1.3	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

NASSAU COUNTY--Continued

All samples were collected and analyzed by U.S. Geological Survey.
Additional analyses in Minor Element and Pesticide analyses of ground water.

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)	HARDNESS (MG/L AS CACO3)
404353073331801 N	9219 CD CK WELL 14A	211MGTY	82-02-24	95	310	5.2	13.0	4.4	42
		211MGTY	82-08-18	95	275	5.4	16.0	6.0	38
404353073331802 N	9220 CD CK WELL 14B	112GLCLU	82-02-24	45	295	5.3	13.0	6.5	59
		112GLCLU	82-08-18	45	325	5.4	15.0	8.4	53
404351073332701 N	9221 CD CK WELL 16A	211MGTY	82-02-24	95	325	5.2	13.0	3.2	77
		211MGTY	82-08-18	95	260	5.2	16.0	3.5	82
404351073332702 N	9222 CD CK WELL 16B	112GLCLU	82-02-24	45	315	5.0	13.0	6.0	72
		112GLCLU	82-08-18	45	230	5.2	16.0	7.0	71
404346073332001 N	9223 CD CK WELL 17A	211MGTY	82-02-24	105	229	5.0	13.0	4.9	60
		211MGTY	82-08-18	105	220	5.2	15.0	6.0	68
404346073332002 N	9224 CD CK WELL 17B	112GLCLU	82-02-24	45	235	5.0	13.5	4.3	53
		112GLCLU	82-08-18	45	210	5.4	14.0	5.4	56

DATE OF SAMPLE	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRATE DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)
82-02-24	13	2.4	44	2.2	34	56	<.1	8.3	164	--	--	.030
82-08-18	12	2.0	35	1.8	37	44	<.1	8.7	146	--	--	<.010
82-02-24	18	3.3	35	4.4	31	48	<.1	7.5	152	--	--	.040
82-08-18	16	3.1	37	4.2	38	51	<.1	7.7	164	--	--	<.010
82-02-24	21	6.0	24	5.1	26	23	<.1	12	121	--	--	.110
82-08-18	23	5.9	24	5.6	29	22	<.1	13	129	--	--	.150
82-02-24	23	3.6	20	6.3	32	27	<.1	14	126	--	--	.040
82-08-18	23	3.4	19	6.1	32	23	<.1	15	125	--	--	<.010
82-02-24	15	5.5	16	1.5	21	29	<.1	9.1	100	--	--	.010
82-08-18	17	6.2	20	1.4	27	32	<.1	11	119	--	--	<.010
82-02-24	16	3.2	16	3.2	27	26	<.1	6.3	103	--	--	<.010
82-08-18	17	3.3	16	2.5	30	20	<.1	7.2	101	--	--	<.010

DATE OF SAMPLE	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC DISSOLVED (MG/L AS C)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C)
82-02-24	.31	.34	4.0	.020	1.7	.1
82-08-18	--	.50	3.9	<.010	1.0	.1
82-02-24	.06	.10	6.3	.030	1.4	.1
82-08-18	--	.30	7.0	<.010	1.0	.1
82-02-24	--	<.10	--	<.010	1.0	<.1
82-08-18	.25	.40	20	<.010	1.2	.1
82-02-24	.14	.18	16	<.010	1.6	<.1
82-08-18	--	.50	16	<.010	1.2	<.1
82-02-24	--	<.10	--	<.010	.7	.6
82-08-18	--	.40	8.2	.010	1.0	--
82-02-24	--	<.10	--	<.010	1.0	<.1
82-08-18	--	.20	7.8	<.010	.8	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

NASSAU COUNTY--Continued

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Additional analyses in Minor Element and Pesticide analyses of ground water.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	HARD-NESS (MG/L AS CACO3)
404345073324301 N	9247 CD CK WELL 15A	211MGTY	82-02-23	95	285	4.8	15.0	2.4	70
		211MGTY	82-08-17	95	230	4.9	15.0	7.5	67
404345073324302 N	9248 CD CK WELL 15B	112GLCLU	82-02-23	45	258	4.9	14.0	5.2	37
		112GLCLU	82-08-17	45	250	5.1	15.0	6.0	40
404410073331201 N	9360 CD CK WELL 3A	211MGTY	82-02-23	205	113	4.9	14.0	3.2	14
		211MGTY	82-08-17	205	140	6.5	15.0	3.8	16
404410073331202 N	9361 CD CK WELL 3B	211MGTY	82-02-23	100	334	5.0	14.5	1.7	56
		211MGTY	82-08-17	100	425	6.0	15.0	4.5	64
404410073331203 N	9362 CD CK WELL 3C	112GLCLU	82-02-23	45	312	4.9	15.0	1.3	86
		112GLCLU	82-08-17	45	400	5.4	14.0	5.7	110
404412073331305 N	9363 CD CK WELL 4A	211MGTY	82-02-23	103	377	5.1	15.0	2.1	--
		211MGTY	82-06-10	103	410	5.2	14.0	2.3	75
		211MGTY	82-08-17	103	390	5.2	15.0	3.7	74

DATE OF SAMPLE	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)
82-02-23	21	4.3	26	4.9	40	17	<.1	8.7	125	--	--	.040
82-08-17	20	4.1	26	4.8	33	15	<.1	9.3	116	--	--	<.010
82-02-23	12	1.8	25	3.8	24	33	<.1	8.3	110	--	--	.040
82-08-17	13	1.8	25	4.1	26	27	<.1	9.6	110	--	--	<.010
82-02-23	3.5	1.2	9.6	1.9	1.1	17	<.1	5.9	43	--	--	.010
82-08-17	4.2	1.4	12	.5	2.0	17	<.1	7.7	48	--	--	<.010
82-02-23	14	5.2	42	1.5	28	51	<.1	7.1	157	6.4	6.30	.040
82-08-17	16	5.9	46	1.3	40	53	<.1	6.6	180	7.2	7.20	.020
82-02-23	26	5.1	23	7.9	39	25	<.1	12	139	--	--	.020
82-08-17	33	6.0	30	9.2	40	31	<.1	14	166	--	--	<.010
82-02-23	--	--	--	--	32	57	<.1	--	--	--	--	.040
82-06-10	18	7.4	43	2.1	39	63	<.1	6.0	193	--	--	<.010
82-08-17	18	7.1	44	2.2	32	59	<.1	6.3	182	--	--	<.010

DATE OF SAMPLE	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C)
82-02-23	.22	.26	14	<.010	2.3	.1
82-08-17	--	1.90	16	<.010	.4	.1
82-02-23	2.6	2.60	11	<.010	1.7	<.1
82-08-17	--	1.30	11	.010	.8	--
82-02-23	.64	.65	2.8	<.010	<.3	.1
82-08-17	--	.20	2.2	<.010	.7	--
82-02-23	.24	.28	6.7	<.010	.6	--
82-08-17	.78	.80	8.0	<.010	1.4	.1
82-02-23	.77	.79	18	.010	.9	.1
82-08-17	--	.50	24	.010	1.6	.1
82-02-23	.79	.83	9.0	.020	.8	<.1
82-06-10	--	<.10	--	.010	1.3	.1
82-08-17	--	.50	9.4	<.010	1.4	.1

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

NASSAU COUNTY--Continued

All samples were collected and analyzed by U.S. Geological Survey.
Additional analyses in Minor Element and Pesticide analyses of ground water.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	HARD-NESS (MG/L AS CACO3)
404412073331306 N	9364 CD CK WELL 4B	112GLCLU	82-02-23	45	350	4.5	14.0	5.5	--
		112GLCLU	82-06-10	45	400	4.4	14.0	3.9	88
		112GLCLU	82-08-17	45	410	4.5	15.0	6.1	93
404351073330901 N	9365 CD CK WELL 19A	211MGTY	82-02-24	95	295	5.1	13.0	3.3	35
		211MGTY	82-08-16	95	350	5.7	15.0	5.1	36
404351073330902 N	9366 CD CK WELL 19B	112GLCLU	82-02-24	45	295	5.2	14.0	5.3	86
		112GLCLU	82-08-16	45	230	6.2	15.0	7.6	78
404401073324801 N	9367 CD CK WELL 12A	211MGTY	82-02-22	105	368	3.9	14.0	4.3	67
		211MGTY	82-06-09	105	390	4.4	16.0	4.1	74
		211MGTY	82-08-17	105	380	5.0	15.0	5.7	74
404401073324802 N	9368 CD CK WELL 12B	112GLCLU	82-02-22	45	294	3.8	18.0	5.1	47
		112GLCLU	82-06-09	45	245	4.9	15.0	5.4	41
		112GLCLU	82-08-17	45	165	5.2	13.0	6.0	22
		112GLCLU	82-09-15	45	120	5.1	15.0	5.6	18

DATE OF SAMPLE	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)
82-02-23	--	--	--	--	40	27	.2	--	--	--	--	.010
82-06-10	27	5.0	27	8.0	40	27	.3	14	150	--	--	.020
82-08-17	29	5.0	30	9.2	35	29	.3	14	153	--	--	<.010
82-02-24	9.7	2.7	51	3.7	57	43	<.1	9.1	186	3.6	3.60	.240
82-08-16	10	2.7	49	4.0	63	47	<.1	9.5	197	3.3	3.10	.360
82-02-24	26	5.0	15	5.9	36	25	<.1	8.0	128	--	--	.070
82-08-16	24	4.4	13	4.2	37	16	<.1	8.9	117	--	--	<.010
82-02-22	22	3.0	32	6.6	40	44	<.1	13	163	--	--	.020
82-06-09	24	3.5	33	6.6	39	51	<.1	14	175	--	--	<.010
82-08-17	24	3.3	36	6.6	32	50	<.1	15	170	--	--	<.010
82-02-22	15	2.2	23	5.1	17	31	<.1	7.6	107	--	--	.040
82-06-09	13	2.1	26	3.3	21	47	<.1	6.2	123	--	--	<.010
82-08-17	6.9	1.1	18	2.4	21	15	<.1	6.1	75	--	--	<.010
82-09-15	5.6	.9	14	2.1	19	9.2	<.1	6.2	68	--	--	.010

DATE OF SAMPLE	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C)
82-02-23	.53	.54	15	.010	1.3	.1
82-06-10	.48	.50	33	.040	1.3	.9
82-08-17	--	.30	26	<.010	1.4	.1
82-02-24	.30	.54	4.1	.030	.7	--
82-08-16	.74	1.10	4.4	<.010	1.6	.1
82-02-24	.03	.10	13	.020	.6	--
82-08-16	--	.50	9.0	<.010	2.0	<.1
82-02-22	.96	.98	12	<.010	1.6	.1
82-06-09	--	.50	15	<.010	1.2	--
82-08-17	--	.70	15	<.010	1.3	--
82-02-22	.52	.56	9.3	<.010	.7	<.1
82-06-09	--	.90	6.7	<.010	1.2	.1
82-08-17	--	.50	3.7	<.010	1.1	.1
82-09-15	.19	.20	2.5	<.010	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

NASSAU COUNTY--Continued

All samples were collected and analyzed by U.S. Geological Survey.
Additional analyses in Minor Element and Pesticide analyses of ground water.

STATION NUMBER	LOCAL IDENT- I- FIER	GEO- LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	HARD- NESS (MG/L AS CACO3)
404414073325301 N	9449 CD CK WELL 5A	211MGTY	82-02-23	198	39	4.5	13.0	2.6	4
		211MGTY	82-08-18	198	34	5.2	15.0	4.2	3
404414073325302 N	9450 CD CK WELL 5B	211MGTY	82-02-23	105	334	4.8	13.3	3.0	84
		211MGTY	82-08-18	105	325	5.4	15.0	4.5	88
404414073325303 N	9451 CD CK WELL 5C	112GLCLU	82-02-23	45	277	5.1	13.8	4.8	76
		112GLCLU	82-08-18	45	375	5.5	15.0	4.6	95

DATE OF SAMPLE	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SCLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SIO2)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)
82-02-23	.9	.4	4.1	.4	3.9	6.2	<.1	5.9	23	1.2	--	.110
82-08-18	.8	.3	3.5	.3	3.0	5.8	<.1	6.4	22	--	.14	.010
82-02-23	24	5.9	29	2.9	38	36	<.1	9.3	149	--	--	.010
82-08-18	25	6.2	31	2.4	36	34	<.1	10	149	--	--	.010
82-02-23	27	2.2	20	5.6	36	17	.2	16	133	14	13.0	.080
82-08-18	33	3.0	24	8.5	35	25	.2	20	152	22	21.0	.830

DATE OF SAMPLE	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	CARBON, ORGANIC SUS- PENDED TOTAL (MG/L AS C)
82-02-23	.25	.36	1.6	.050	1.2	.3
82-08-18	.69	.70	1.0	.020	.8	.1
82-02-23	.09	.10	13	<.010	1.1	.1
82-08-18	.19	.20	13	<.010	1.0	--
82-02-23	--	<.10	--	<.010	1.7	.2
82-08-18	.57	1.40	23	.020	.7	.1

Geological unit (aquifer):
112GLCLU - Upper Glacial Aquifer, Pleistocene age.
112GRDR - Gardiners Clay, Pleistocene age.
112JMCO - Jameco Gravel, Pleistocene age.
211LLYD - Llyod Aquifer, Cretaceous age.
211MGTY - Magothy Aquifer, Cretaceous age.
211RNCF - Raritan Confining Unit, Cretaceous age.

SUFFOLK COUNTY

WELL INDEX

Quality of ground-water records for Suffolk County are divided into three sections according to the agency that collected and analyzed the samples. The following list indicates the page number where data for each well may be found.

Local Well Number	Page	Local Well Number	Page	Local Well Number	Page	Local Well Number	Page
871	217	21247	272	46912	183	48651	198
872	218	21366	273	46913	183,215	48759	198
1331	219	21375	274	46914	215	48946	199,216
1340	220	21487	275	46962	184	48958	199
1341	221	21632	276	46963	184	49898	199
2405	222	21945	277	46964	184	50971	199
2415	222	22048	278	46965	184	51169	200
2570	223	22171	279	47100	184	51170	200
2978	224	22351	280	47157	184	51171	200
3615	224	22362	281	47220	185	51172	200
3813	225	22389	282	47223	185	51173	201
3814	226	22471	283	47224	185	51174	201
3815	227	22547	283	47225	186	51175	201
4184	228	22548	284	47226	186,215	51177	201
4372	229	22640	285	47227	187,215	51178	202
7570	229	22711	285	47228	187	51179	202
8439	230	23046	286	47229	188	51180	202
9893	231	23183	286	47230	188	51181	202
11105	232	23184	287	47231	188	51182	203
11891	232	23185	288	47232	188	51183	203
12130	233	23186	288	47233	189	51184	203
13534	233	23255	289	47234	189	51185	203
14326	234	23371	290	47235	189	51186	203
14710	234	23440	291	47236	189	51228	204
14792	235	23445	292	47675	189	51566	204
14828	236	23524	292	47698	189	51567	204
14921	237	23631	293	47718	189	51568	204
15500	237	23699	293	47743	190	51571	204
15501	237	23715	294	47745	190	51572	204
15514	238	23832	295	47746	190	51573	204
15515	239	23848	296	47747	190	51575	205
15746	240	24047	297	47748	190	51576	205
15776	241	24323	297	47749	191	51577	205
15898	242	29778	215	47750	191	51578	205
15923	243	43808	172	47751	191	51579	205
15962	244	43809	172	47752	191	51580	206
16129	245	43810	172	47753	192	51581	206
16175	246	43811	172	47754	192	51582	206
16176	246	43812	173	47755	192	51583	207,216
16256	247	43813	173	47756	193	51584	207
16309	247	43814	173	47757	193	51586	207
16892	248	43815	173	47758	193	51587	207
16893	248	43816	174	47945	193	51588	208
17037	249	43817	174	47973	193	51589	208
17474	250	43818	174	47974	193	51591	208
17630	250	43819	175	47975	194	51592	209,216
17689	251	43820	175	47976	194	51626	209
18003	252	43821	175	47977	194	51979	209
18261	253	43822	176	48425	194	51980	209
18566	253	44914	176	48426	194	52050	210
18621	254	44918	176	48427	194	52084	210
18762	254	45053	176	48428	195	52162	210
19048	255	45207	177	48429	195	52163	210
19198	255	45208	177	48430	195	52164	210
19399	256	45211	177	48432	195	52383	210
19408	257	45212	177	48433	195	52449	210
19465	258	45346	177	48434	195	52886	211
19565	259	45402	178	48435	195	53322	211
19584	259	45446	178	48437	195	53323	211
19884	259	45447	178	48438	196	53324	211
19885	260	45594	178	48439	196	53325	211
20045	260	45636	179	48440	196	53326	211
20057	260	45637	179	48422	196	53327	211
20300	261	45717	179	48517	196	53328	212
20369	261	45718	180	48518	196	53329	212
20460	262	45719	180	48519	196	53330	212
20479	263	45720	180	48520	196	53331	212
20530	263	45721	181	48521	197	53332	212
20566	264	45722	181	48522	197	53333	212
20591	264	45724	181	48577	197	53334	212
20603	265	45838	181	48578	197	53335	213
20635	266	46281	182	48579	197	53336	213
20688	267	46284	182	48580	197	53337	213
20689	268	46286	182	48581	197	53338	213
20955	269	46287	182	48582	198	53537	213
21121	270	46502	183	48583	198	53539	213
21244	271	46911	183	48584	198	57691	214
						58961	214

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

SUFFOLK COUNTY

All samples were collected and analyzed by Suffolk County Department of Health Services.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	HARD-NESS (MG/L AS CACO3)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
404323073253401	S 43808	112GLCLU	82-02-11	54	220	6.1	--	--	--
		112GLCLU	82-04-21	54	220	6.3	--	--	--
		112GLCLU	82-06-24	54	200	6.2	--	--	--
		112GLCLU	82-07-27	54	215	5.7	--	18	2.9
404124073241601	S 43809	112GLCLU	82-02-09	34	--	5.0	--	19	--
		112GLCLU	82-04-19	34	274	5.4	--	--	--
		112GLCLU	82-05-06	34	230	5.2	--	--	--
		112GLCLU	82-07-26	34	250	4.8	--	18	3.2
404124073241602	S 43810	112GLCLU	82-02-09	71	215	5.7	--	16	3.2
		112GLCLU	82-04-19	71	206	5.8	--	--	--
		112GLCLU	82-05-06	71	175	5.7	--	--	--
		112GLCLU	82-06-21	71	180	5.9	--	18	3.5
		112GLCLU	82-07-26	71	215	5.4	--	19	3.3
404530073241101	S 43811	112GLCLU	82-06-24	85	330	--	--	--	--
		112GLCLU	82-07-27	85	390	5.8	--	49	16

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHATE, TOTAL (MG/L AS PO4)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)
82-02-11	20	--	25	36	21	--	--	--	.980	--	--	--
82-04-21	22	--	30	35	24	--	--	--	1.00	--	--	--
82-06-24	22	--	31	37	22	--	--	--	1.08	--	--	--
82-07-27	22	3.8	29	34	23	--	4.0	.010	1.10	--	--	--
82-02-09	30	5.5	4	41	48	--	7.0	.013	1.70	--	--	--
82-04-19	30	--	7	31	41	--	--	--	1.85	--	--	--
82-05-06	31	--	8	40	46	--	--	--	1.90	--	--	--
82-07-26	29	4.0	3	35	40	--	7.7	.006	.700	--	--	--
82-02-09	17	4.0	14	44	18	--	2.2	.003	1.40	--	--	--
82-04-19	17	--	16	40	19	--	--	--	1.34	--	--	--
82-05-06	16	--	18	47	19	--	--	--	1.60	--	--	--
82-06-21	17	4.5	20	43	19	--	2.5	.003	1.50	--	--	--
82-07-26	16	4.7	13	47	21	--	1.9	.003	1.40	--	--	--
82-06-24	--	--	20	78	30	--	--	--	.360	--	--	--
82-07-27	18	2.6	13	78	30	--	28	.062	.400	--	--	--

DATE OF SAMPLE	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
82-02-11	<.10
82-04-21	<.10
82-06-24	<.10
82-07-27	--
82-02-09	<.02
82-04-19	<.10
82-05-06	<.10
82-07-26	--
82-02-09	.03
82-04-19	.10
82-05-06	<.10
82-06-21	--
82-07-26	--
82-06-24	<.10
82-07-27	--

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Department of Health Services.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	HARD-NESS (MG/L AS CACO3)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
404158073225801	S 43812	112GLCLU	82-04-19	30	312	6.5	--	--	--
		112GLCLU	82-05-24	30	325	6.3	--	--	--
		112GLCLU	82-06-21	30	290	6.4	--	22	3.3
		112GLCLU	82-07-27	30	370	5.9	--	27	4.5
404158073225802	S 43813	112GLCLU	82-04-19	73	340	5.9	--	--	--
		112GLCLU	82-05-24	73	345	6.2	--	--	--
		112GLCLU	82-06-21	73	305	5.9	--	14	7.2
		112GLCLU	82-07-27	73	350	5.4	--	14	7.0
404455073215001	S 43814	112GLCLU	82-02-16	45	245	5.6	--	17	3.0
		112GLCLU	82-04-21	45	217	5.6	--	--	--
		112GLCLU	82-06-24	45	185	5.5	--	--	--
		112GLCLU	82-07-29	45	200	5.2	--	--	--
404237073220601	S 43815	112GLCLU	82-02-09	30	340	5.6	--	14	7.0
		112GLCLU	82-02-16	30	--	5.7	--	18	3.0
		112GLCLU	82-04-20	30	272	6.0	--	--	--
		112GLCLU	82-07-26	30	350	5.5	--	19	3.6

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHATE, TOTAL (MG/L AS PO4)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)
82-04-19	31	--	78	27	39	--	--	--	6.50	--	--	--
82-05-24	31	--	--	36	42	--	--	--	6.70	--	--	--
82-06-21	32	9.5	90	36	40	--	<.20	<.002	7.50	--	--	--
82-07-27	32	9.5	103	42	44	--	<.20	<.002	7.50	--	--	--
82-04-19	38	--	28	56	50	--	--	--	5.30	--	--	--
82-05-24	39	--	--	73	55	--	--	--	4.90	--	--	--
82-06-21	40	6.0	37	68	54	--	.50	<.002	5.50	--	--	--
82-07-27	40	5.5	27	71	53	--	.40	<.002	5.50	--	--	--
82-02-16	21	3.8	13	58	28	--	.90	<.002	3.00	--	--	--
82-04-21	19	--	13	53	23	--	--	--	2.45	--	--	--
82-06-24	17	--	12	51	20	--	--	--	2.20	--	--	--
82-07-29	19	--	8	57	18	--	--	--	1.74	--	--	--
82-02-09	34	5.0	26	58	55	--	1.6	.003	4.90	--	--	--
82-02-16	28	4.9	23	38	34	--	5.1	.007	3.50	--	--	--
82-04-20	29	--	25	41	33	--	--	--	3.45	--	--	--
82-07-26	43	7.0	21	40	57	--	5.2	<.002	4.20	--	--	--

DATE OF SAMPLE	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
82-04-19	<.10
82-05-24	<.10
82-06-21	--
82-07-27	--
82-04-19	.20
82-05-24	.30
82-06-21	--
82-07-27	--
82-02-16	.02
82-04-21	<.10
82-06-24	<.10
82-07-29	<.10
82-02-09	.12
82-02-16	.02
82-04-20	<.10
82-07-26	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Department of Health Services.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	HARD-NESS (MG/L AS CACO3)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
404237073220602	S 43816	112GLCLU	82-02-09	75	340	5.9	--	19	3.0
		112GLCLU	82-02-16	75	230	5.6	--	20	5.6
		112GLCLU	82-04-20	75	212	5.7	--	--	--
		112GLCLU	82-07-26	75	230	5.3	--	15	4.9
404618073205001	S 43817	112GLCLU	82-02-11	51	175	5.9	--	--	--
		112GLCLU	82-04-21	51	191	6.1	--	--	--
		112GLCLU	82-06-28	51	170	6.0	--	11	7.0
		112GLCLU	82-08-23	51	200	5.6	--	10	6.7
404257073202401	S 43818	112GLCLU	82-02-08	30	290	5.7	--	18	3.0
		112GLCLU	82-02-18	30	250	5.7	--	--	--
		112GLCLU	82-04-20	30	270	6.1	--	--	--
		112GLCLU	82-04-27	30	220	5.8	--	18	3.0
		112GLCLU	82-06-22	30	225	6.0	--	17	3.1
		112GLCLU	82-07-22	30	240	5.6	--	--	--

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHATE, TOTAL (MG/L AS PO4)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)
82-02-09	33	9.5	77	38	46	--	.10	<.002	8.00	--	--	--
82-02-16	17	4.1	11	30	31	--	5.5	.012	.500	--	--	--
82-04-20	17	--	12	33	26	--	--	--	.270	--	--	--
82-07-26	20	4.6	8	--	--	--	5.0	.006	.300	--	--	--
82-02-11	20	--	19	15	21	--	--	--	.060	--	--	--
82-04-21	18	--	27	17	22	--	--	--	.050	--	--	--
82-06-28	19	1.4	24	17	22	--	6.9	.006	.100	--	--	--
82-08-23	22	1.7	26	17	25	--	8.4	.012	<.100	--	--	--
82-02-08	24	6.5	33	37	27	--	6.4	.003	4.70	--	--	--
82-02-18	24	--	34	38	26	--	--	--	4.70	--	--	--
82-04-20	227	--	35	35	29	--	--	--	4.25	--	--	--
82-04-27	27	6.0	34	36	29	--	7.4	.004	4.50	--	--	--
82-06-22	26	5.5	34	37	27	--	7.3	<.002	4.90	--	--	--
82-07-22	24	--	29	37	25	--	--	--	4.80	--	--	--

DATE OF SAMPLE	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
82-02-09	.02
82-02-16	.23
82-04-20	<.10
82-07-26	--
82-02-11	<.10
82-04-21	<.10
82-06-28	--
82-08-23	--
82-02-08	.08
82-02-18	<.10
82-04-20	<.10
82-04-27	--
82-06-22	--
82-07-22	<.10

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Department of Health Services.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	HARD-NESS (MG/L AS CACO3)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
404250073202302	S 43819	112GLCLU	82-02-08	73	225	5.5	--	9.6	6.4
		112GLCLU	82-02-18	73	200	5.6	--	--	--
		112GLCLU	82-04-20	73	224	5.8	--	--	--
		112GLCLU	82-04-27	73	185	5.5	--	10	6.5
		112GLCLU	82-06-22	73	200	5.8	--	13	8.0
		112GLCLU	82-07-22	73	200	5.2	--	--	--
404649073184001	S 43820	112GLCLU	82-04-22	92	228	5.7	--	--	--
		112GLCLU	82-06-28	92	200	5.7	--	17	3.5
		112GLCLU	82-08-23	92	195	5.1	--	14	2.8
404302073185501	S 43821	112GLCLU	82-02-17	31	360	6.0	--	20	3.2
		112GLCLU	82-04-20	31	409	6.3	--	--	--
		112GLCLU	82-05-04	31	240	6.4	--	16	2.5
		112GLCLU	82-05-24	31	350	6.7	--	--	--
		112GLCLU	82-06-28	31	285	6.7	--	15	2.5
		112GLCLU	82-07-22	31	220	6.0	--	--	--

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHATE, TOTAL (MG/L AS PO4)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)
82-02-08	21	2.6	14	27	24	--	6.4	.003	.400	--	--	--
82-02-18	20	--	15	28	24	--	--	--	.360	--	--	--
82-04-20	24	--	17	31	26	--	--	--	.320	--	--	--
82-04-27	23	3.0	15	33	26	--	7.2	.004	.500	--	--	--
82-06-22	27	3.0	17	41	24	--	7.1	<.002	.600	--	--	--
82-07-22	24	--	11	42	23	--	--	--	.360	--	--	--
82-04-22	16	--	12	9.0	19	--	--	--	.040	--	--	--
82-06-28	21	7.5	13	10	17	--	17	.021	.100	--	--	--
82-08-23	19	7.0	7	10	18	--	15	.007	<.100	--	--	--
82-02-17	49	8.0	75	17	73	--	.80	.003	6.40	--	--	--
82-04-20	47	--	92	20	79	--	--	--	10.0	--	--	--
82-05-04	50	9.5	88	17	74	--	.80	.013	10.0	--	--	--
82-05-24	45	--	--	23	56	--	--	--	9.60	--	--	--
82-06-28	34	5.0	69	22	41	--	1.6	.015	6.80	--	--	--
82-07-22	27	--	--	25	28	--	--	--	4.00	--	--	--

DATE OF SAMPLE	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
82-02-08	.02
82-02-18	<.10
82-04-20	<.10
82-04-27	--
82-06-22	--
82-07-22	<.10
82-04-22	<.10
82-06-28	--
82-08-23	--
82-02-17	.06
82-04-20	<.10
82-05-04	--
82-05-24	.20
82-06-28	--
82-07-22	<.10

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Department of Health Services.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	HARD-NESS (MG/L AS CACO3)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
404302073185502	S 43822	112GLCLU	82-02-17	69	155	5.7	--	11	3.2
		112GLCLU	82-04-20	69	163	6.6	--	--	--
		112GLCLU	82-05-04	69	148	5.7	--	12	3.4
		112GLCLU	82-05-24	69	165	6.5	--	--	--
		112GLCLU	82-06-28	69	155	5.7	--	11	3.4
		112GLCLU	82-07-22	69	160	5.5	--	--	--
405254073214201	S 44914 CENTERPORT	112GLCLU	82-03-09	22	120	5.6	--	8.0	3.4
		112GLCLU	82-04-14	22	117	5.8	--	--	--
		112GLCLU	82-08-18	22	125	6.6	--	6.8	3.2
404812073041201	S 44918	112GLCLU	82-04-26	82	128	5.7	--	--	--
		112GLCLU	82-07-06	82	118	5.8	--	6.0	3.0
		112GLCLU	82-09-13	82	105	5.3	--	5.5	2.0
405330073242401	S 45053	112GLCLU	82-03-08	114	170	6.3	--	13	6.4
		112GLCLU	82-04-15	114	170	6.3	--	--	--
		112GLCLU	82-08-05	114	195	6.1	--	--	--

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHATE, TOTAL (MG/L AS PO4)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)
82-02-17	14	1.5	22	16	22	--	2.4	.030	<.200	--	--	--
82-04-20	14	--	29	14	21	--	--	--	.080	--	--	--
82-05-04	13	1.4	23	14	22	--	2.8	.035	.300	--	--	--
82-05-24	15	--	--	17	24	--	--	--	.040	--	--	--
82-06-28	16	1.3	23	18	22	--	2.6	.031	.300	--	--	--
82-07-22	17	--	19	23	20	--	--	--	<.040	--	--	--
82-03-09	10	1.6	8	15	16	--	1.9	<.002	<.100	--	--	--
82-04-14	11	--	0	12	16	--	--	--	<.040	--	--	--
82-08-18	12	2.1	16	10	21	--	3.3	.003	<.100	--	--	--
82-04-26	15	--	8	21	28	--	--	--	.040	--	--	--
82-07-06	14	1.1	6	8.3	28	--	.20	<.002	<.100	--	--	--
82-09-13	14	1.0	7	12	20	--	.50	<.002	<.100	--	--	--
82-03-08	12	1.9	29	18	15	--	5.1	<.002	.100	--	--	--
82-04-15	12	--	29	20	14	--	--	--	<.040	--	--	--
82-08-05	13	--	29	15	15	--	--	--	<.040	--	--	--

DATE OF SAMPLE	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
82-02-17	.19
82-04-20	.30
82-05-04	--
82-05-24	.50
82-06-28	--
82-07-22	.40
82-03-09	--
82-04-14	<.10
82-08-18	--
82-04-26	<.10
82-07-06	--
82-09-13	--
82-03-08	--
82-04-15	<.10
82-08-05	<.10

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Department of Health Services.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	HARD-NESS (MG/L AS CACO3)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
405132073181401	S 45207	112GLCLU	82-03-09	142	160	5.7	--	15	4.0
		112GLCLU	82-04-14	142	165	5.9	--	--	--
		112GLCLU	82-08-10	142	165	5.7	--	14	3.6
405005073233701	S 45208	112GLCLU	82-03-08	133	270	5.6	--	28	9.0
		112GLCLU	82-04-15	133	294	--	--	--	--
		112GLCLU	82-08-18	133	344	5.6	--	28	9.5
404945073174501	S 45210	112GLCLU	82-03-11	107	240	6.0	--	--	--
		112GLCLU	82-04-13	107	262	6.3	--	--	--
		112GLCLU	82-08-17	107	250	6.1	--	24	9.4
405356073192001	S 45212	112GLCLU	82-03-09	111	240	5.9	--	20	8.0
		112GLCLU	82-04-13	111	270	6.0	--	--	--
		112GLCLU	82-09-13	111	210	5.6	--	17	6.5
405341073003201	S 45346 NORTH ISLE S.T.P	112GLCLU	82-04-14	87	195	5.3	--	17	4.4

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHATE, TOTAL (MG/L AS PO4)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)
82-03-09	13	2.5	13	24	15	--	6.5	.004	<.100	--	--	--
82-04-14	12	--	14	25	15	--	--	--	<.040	--	--	--
82-08-10	12	2.6	13	22	14	--	6.0	.003	<.100	--	--	--
82-03-08	21	2.2	25	39	25	--	14	.014	.100	--	--	--
82-04-15	25	--	25	44	23	--	--	--	<.040	--	--	--
82-08-18	22	2.3	29	41	23	--	15	.003	--	--	--	--
82-03-11	10	--	35	36	12	--	--	--	.060	--	--	--
82-04-13	14	--	34	39	14	--	--	--	<.040	--	--	--
82-08-17	13	1.8	33	39	15	--	10	.003	<.100	--	--	--
82-03-09	23	2.4	26	24	28	--	11	.003	<.100	--	--	--
82-04-13	25	--	27	25	27	--	--	--	<.040	--	--	--
82-09-13	21	2.5	21	24	24	--	10	.003	<.100	--	--	--
82-04-14	22	8.8	15	26	25	--	10	<.002	.100	--	--	--

DATE OF SAMPLE	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
82-03-09	--
82-04-14	<.10
82-08-10	--
82-03-08	--
82-04-15	<.10
82-08-18	--
82-03-11	<.10
82-04-13	<.10
82-08-17	--
82-03-09	--
82-04-13	<.10
82-09-13	--
82-04-14	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Department of Health Services.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	HARD-NESS (MG/L AS CACO3)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
405259073162201	S 45402	112GLCLU	82-03-11	170	190	6.4	--	--	--
		112GLCLU	82-04-13	170	218	6.8	--	--	--
		112GLCLU	82-08-17	170	200	5.8	--	14	4.5
404400073154402	S 45446	112GLCLU	82-02-17	38	245	4.7	--	27	3.2
		112GLCLU	82-04-06	38	220	4.9	--	18	2.5
		112GLCLU	82-04-28	38	246	5.0	--	--	--
		112GLCLU	82-05-04	38	210	4.7	--	16	2.5
		112GLCLU	82-06-30	38	210	4.9	--	14	2.2
		112GLCLU	82-07-29	38	240	4.8	--	--	--
404606073050001	S 45447	112GLCLU	82-02-25	79	205	5.7	--	--	--
		112GLCLU	82-04-26	79	223	5.6	--	--	--
		112GLCLU	82-05-05	79	190	5.5	--	16	3.0
		112GLCLU	82-07-08	79	180	5.6	--	--	--
		112GLCLU	82-07-20	79	225	5.6	--	18	3.7
404920073150901	S 45594	112GLCLU	82-04-14	80	95	7.2	--	--	--
		112GLCLU	82-08-17	80	87	5.3	--	6.4	2.7

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHATE, TOTAL (MG/L AS PO4)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)
82-03-11	16	--	20	21	24	--	--	--	<.040	--	--	--
82-04-13	27	--	18	25	27	--	--	--	.040	--	--	--
82-08-17	22	2.0	18	21	30	--	3.8	.003	<.100	--	--	--
82-02-17	24	7.6	3	31	56	--	9.5	.002	1.60	--	--	--
82-04-06	22	7.6	4	37	27	--	10	.023	1.80	--	--	--
82-04-28	22	--	5	37	25	--	--	--	1.44	--	--	--
82-05-04	23	7.0	3	33	26	--	10	.015	1.40	--	--	--
82-06-30	24	6.0	4	32	26	--	9.3	.012	1.10	--	--	--
82-07-29	29	--	3	31	38	--	--	--	.870	--	--	--
82-02-25	20	--	12	33	36	--	--	--	.080	--	--	--
82-04-26	22	--	11	30	41	--	--	--	.040	--	--	--
82-05-05	22	4.0	10	26	38	--	4.0	.003	.200	--	--	--
82-07-08	20	--	9	23	38	--	--	--	.050	--	--	--
82-07-20	22	4.2	9	27	45	--	2.4	.004	.100	--	--	--
82-04-14	4.4	--	8	27	6.0	--	--	--	<.040	--	--	--
82-08-17	3.8	1.4	6	21	5.6	--	.60	<.002	<.100	--	--	--

DATE OF SAMPLE	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
82-03-11	<.10
82-04-13	<.10
82-08-17	--
82-02-17	.03
82-04-06	--
82-04-28	<.10
82-05-04	--
82-06-30	--
82-07-29	<.10
82-02-25	<.10
82-04-26	<.10
82-05-05	--
82-07-08	<.10
82-07-20	--
82-04-14	<.10
82-08-17	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Department of Health Services.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	HARD-NESS (MG/L AS CACO3)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
404508073080902	S 45636	112GLCLU	82-02-23	26	160	5.1	--	--	--
		112GLCLU	82-04-27	26	155	5.4	--	--	--
		112GLCLU	82-07-07	26	145	4.8	--	10	3.0
		112GLCLU	82-08-04	26	170	4.9	--	9.0	2.5
404508073080901	S 45637	112GLCLU	82-02-23	79	61	7.6	--	--	--
		112GLCLU	82-04-27	79	61	6.3	--	--	--
		112GLCLU	82-07-07	79	63	6.6	--	5.5	3.0
		112GLCLU	82-08-04	79	67	6.7	--	5.6	2.8
404618073164501	S 45717	112GLCLU	82-02-18	73	45	6.1	--	--	--
		112GLCLU	82-04-26	73	44	5.5	--	--	--
		112GLCLU	82-05-19	73	36	5.8	--	1.9	1.6
		112GLCLU	82-06-30	73	43	6.1	--	1.8	1.6
		112GLCLU	82-08-02	73	47	5.4	--	1.6	1.6

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHATE, TOTAL (MG/L AS PO4)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)
82-02-23	19	--	4	18	19	--	--	--	<.040	--	--	--
82-04-27	17	--	7	16	18	--	--	--	<.040	--	--	--
82-07-07	16	3.4	3	17	20	--	5.5	<.002	<.100	--	--	--
82-08-04	18	3.6	3	16	20	--	6.4	.001	.050	--	--	--
82-02-23	3.7	--	20	<4.0	4.5	--	--	--	<.040	--	--	--
82-04-27	3.5	--	27	<4.0	5.0	--	--	--	<.040	--	--	--
82-07-07	3.7	.5	--	1.8	4.7	--	.30	<.002	<.100	--	--	--
82-08-04	4.0	.5	25	1.4	6.0	--	.84	.001	<.050	--	--	--
82-02-18	3.0	--	3	8.0	5.0	--	--	--	<.040	--	--	--
82-04-26	3.4	--	5	12	5.0	--	--	--	<.040	--	--	--
82-05-19	3.2	.6	3	8.2	4.4	--	.04	.003	.060	--	--	--
82-06-30	3.5	.6	4	8.6	5.0	--	<.20	.008	<.100	--	--	--
82-08-02	3.5	.6	2	8.3	5.6	--	<.20	<.002	<.100	--	--	--

DATE OF SAMPLE	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
82-02-23	<.10
82-04-27	<.10
82-07-07	--
82-08-04	--
82-02-23	<.10
82-04-27	<.10
82-07-07	--
82-08-04	--
82-02-18	<.10
82-04-26	<.10
82-05-19	--
82-06-30	--
82-06-02	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Department of Health Services.

STATION NUMBER	LOCAL IDENT- I- FIER	GEO- LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	HARD- NESS (MG/L AS CACO3)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG)
404635073101602	S 45718	112GLCLU	82-02-23	24	210	5.2	--	--	--
		112GLCLU	82-04-27	24	226	5.3	--	--	--
		112GLCLU	82-07-07	24	200	5.0	--	18	5.0
		112GLCLU	82-08-25	24	250	5.0	--	21	5.5
		112GLCLU	82-09-06	24	240	4.9	--	--	--
404635073101601	S 45719	112GLCLU	82-02-23	78	115	6.4	--	--	--
		112GLCLU	82-04-27	78	102	6.0	--	--	--
		112GLCLU	82-07-07	78	85	6.1	--	5.6	2.4
		112GLCLU	82-08-25	78	88	5.8	--	5.6	2.4
		112GLCLU	82-09-06	78	88	6.1	--	--	--
404716073131602	S 45720	112GLCLU	82-04-27	78	--	6.2	--	--	--
		112GLCLU	82-05-19	78	140	5.6	--	10	5.6
		112GLCLU	82-07-01	78	138	5.8	--	--	--
		112GLCLU	82-08-26	78	146	5.5	--	--	--

DATE OF SAMPLE	SODIUM, TOTAL RECOV- ERABLE (MG/L AS NA)	POTAS- SIUM, TOTAL RECOV- ERABLE (MG/L AS K)	ALKA- LINITY FIELD (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, TOTAL (MG/L AS F)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHATE, TOTAL (MG/L AS PO4)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)
82-02-23	17	--	5	33	25	--	--	--	<.040	--	--	--
82-04-27	17	--	7	25	25	--	--	--	<.040	--	--	--
82-07-07	18	9.0	4	24	27	--	11	<.002	.100	--	--	--
82-08-25	20	11	5	28	32	--	14	<.002	<.100	--	--	--
82-09-06	19	--	6	29	30	--	--	--	<.040	--	--	--
82-02-23	17	--	20	<4.0	12	--	--	--	<.040	--	--	--
82-04-27	10	--	20	6.0	10	--	--	--	<.040	--	--	--
82-07-07	8.0	.8	17	4.0	9.6	--	1.9	<.002	<.100	--	--	--
82-08-25	7.6	.8	18	4.8	9.8	--	2.4	<.002	<.100	--	--	--
82-09-06	7.1	--	17	<4.0	10	--	--	--	<.040	--	--	--
82-04-27	--	--	--	16	--	--	--	--	.240	--	--	--
82-05-19	9.5	2.0	12	16	13	--	6.3	.004	.110	--	--	--
82-07-01	8.5	--	15	15	12	--	--	--	.040	--	--	--
82-08-26	7.7	--	14	19	14	--	--	--	<.040	--	--	--

DATE OF SAMPLE	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L)
82-02-23	<.10
82-04-27	<.10
82-07-07	--
82-08-25	--
82-09-06	<.10
82-02-23	<.10
82-04-27	<.10
82-07-07	--
82-08-25	--
82-09-06	<.10
82-04-27	<.10
82-05-19	--
82-07-01	<.10
82-08-26	<.10

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Department of Health Services.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	HARD-NESS (MG/L AS CACO3)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
404516073122802	S 45721	112GLCLU	82-02-22	34	300	6.3	--	17	2.3
		112GLCLU	82-04-06	34	370	5.6	--	18	3.0
		112GLCLU	82-04-21	34	480	5.8	--	--	--
		112GLCLU	82-05-10	34	400	4.9	--	--	--
		112GLCLU	82-07-01	34	330	5.7	--	--	--
		112GLCLU	82-08-02	34	260	5.6	--	10	1.5
404516073122801	S 45722	112GLCLU	82-02-22	87	200	--	--	10	6.5
		112GLCLU	82-04-06	87	285	5.6	--	9.0	6.2
		112GLCLU	82-04-21	87	210	5.9	--	--	--
		112GLCLU	82-05-10	87	190	6.3	--	--	--
		112GLCLU	82-07-01	87	170	5.6	--	--	--
		112GLCLU	82-08-02	87	185	5.5	--	8.5	5.5
405253072541901	S 45724 STRAT. RIDGE S.T	112GLCLU	82-04-15	52	480	6.6	--	--	--
405213072580001	S 45838 HOMESTEAD VILL.	112GLCLU	82-04-14	57	330	6.4	--	19	4.0

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHATE, TOTAL (MG/L AS PO4)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)
82-02-22	50	3.0	12	23	87	--	1.1	<.002	.300	--	--	--
82-04-06	74	3.8	12	21	130	--	2.4	<.002	.500	--	--	--
82-04-21	60	--	16	21	136	--	--	--	.370	--	--	--
82-05-10	89	--	27	27	147	--	--	--	.200	--	--	--
82-07-01	--	--	17	36	106	--	--	--	.040	--	--	--
82-08-02	50	2.3	19	36	55	--	2.4	<.002	<.100	--	--	--
82-02-22	24	1.9	--	25	22	--	6.1	.003	.200	--	--	--
82-04-06	24	2.0	22	26	22	--	7.7	.004	.400	--	--	--
82-04-21	24	--	23	26	21	--	--	--	.370	--	--	--
82-05-10	24	--	52	27	21	--	--	--	.490	--	--	--
82-07-01	22	--	20	27	17	--	--	--	.490	--	--	--
82-08-02	22	2.3	16	29	16	--	5.5	.003	.500	--	--	--
82-04-15	110	--	114	34	118	--	--	--	10.5	--	--	--
82-04-14	34	14	94	22	33	--	14	.003	13.0	--	--	--

DATE OF SAMPLE	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
82-02-22	<.02
82-04-06	--
82-04-21	<.10
82-05-10	<.10
82-07-01	<.10
82-08-02	--
82-02-22	.30
82-04-06	--
82-04-21	.30
82-05-10	.30
82-07-01	.20
82-08-02	--
82-04-15	.80
82-04-14	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Department of Health Services.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	HARD-NESS (MG/L AS CACO3)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
405231073250500	S 46281	112GLCLU	82-03-08	47	220	6.6	--	23	8.8
		112GLCLU	82-04-14	47	230	6.4	--	--	--
		112GLCLU	82-08-18	47	231	6.5	--	23	9.0
404848073073401	S 46284	112GLCLU	82-04-28	104	245	5.0	--	--	--
		112GLCLU	82-07-08	104	210	5.4	--	--	--
		112GLCLU	82-08-25	104	230	5.3	--	15	6.8
404836073110901	S 46286	112GLCLU	82-03-15	103	125	6.0	--	8.6	2.7
		112GLCLU	82-04-28	103	135	6.0	--	--	--
		112GLCLU	82-08-26	103	165	5.4	--	--	--
404400073154401	S 46287	112GLCLU	82-04-06	85	180	5.6	--	12	5.5
		112GLCLU	82-04-28	85	204	5.8	--	--	--
		112GLCLU	82-05-04	85	175	5.5	--	12	5.0
		112GLCLU	82-06-30	85	180	5.9	--	12	5.0
		112GLCLU	82-07-29	85	195	5.6	--	--	--

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHATE, TOTAL (MG/L AS PO4)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)
82-03-08	12	2.1	44	19	18	--	9.1	<.002	<.100	--	--	--
82-04-14	13	--	45	19	18	--	--	--	<.040	--	--	--
82-08-18	12	2.1	53	19	19	--	10	.004	<.100	--	--	--
82-04-28	22	--	20	29	25	--	--	--	.040	--	--	--
82-07-08	22	--	17	24	25	--	--	--	<.040	--	--	--
82-08-25	23	5.0	16	27	28	--	9.9	.004	.100	--	--	--
82-03-15	9.6	4.0	20	15	11	--	3.3	.002	.990	--	--	--
82-04-28	9.3	--	22	15	13	--	--	--	1.20	--	--	--
82-08-26	9.1	--	13	16	21	--	--	--	.600	--	--	--
82-04-06	22	1.6	19	1.7	24	--	13	.005	.100	--	--	--
82-04-28	23	--	20	<4.0	23	--	--	--	.040	--	--	--
82-05-04	22	1.7	19	1.4	24	--	13	.026	.100	--	--	--
82-06-30	24	1.6	27	1.9	25	--	12	.004	.100	--	--	--
82-07-29	25	--	--	--	--	--	--	--	.040	--	--	--

DATE OF SAMPLE	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
82-03-08	--
82-04-14	<.10
82-08-18	--
82-04-28	<.10
82-07-08	<.10
82-08-25	--
82-03-15	--
82-04-28	<.10
82-08-26	<.10
82-04-06	--
82-04-28	.10
82-05-04	--
82-06-30	--
82-07-29	--

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Department of Health Services.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	HARD-NESS (MG/L AS CACO3)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
404606073050002	S 46502	112GLCLU	82-02-25	40	390	6.2	--	--	--
		112GLCLU	82-04-26	40	436	6.3	--	--	--
		112GLCLU	82-07-08	40	400	6.3	--	--	--
		112GLCLU	82-07-20	40	420	6.0	--	20	2.4
404920072484502	S 46911	112GLCLU	82-03-18	31	46	6.1	--	--	--
		112GLCLU	82-04-08	31	43	5.9	--	--	--
		112GLCLU	82-07-19	31	56	5.5	--	2.0	.7
404919072484501	S 46912	112GLCLU	82-03-18	22	330	5.7	--	--	--
		112GLCLU	82-04-08	22	280	5.5	--	--	--
		112GLCLU	82-07-19	22	270	5.5	--	9.1	1.8
404920072484602	S 46913	112GLCLU	81-12-07	20	42	6.2	16	--	--
		112GLCLU	81-12-08	20	--	--	16	--	--
		112GLCLU	82-03-05	20	--	--	28	--	--
		112GLCLU	82-06-03	20	--	--	20	--	--
		112GLCLU	82-07-19	20	58	5.9	--	4.4	.9
		112GLCLU	82-09-22	20	--	--	29	--	--

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHATE, TOTAL (MG/L AS PO4)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)
82-02-25	60	--	50	50	90	--	--	--	<.040	--	--	--
82-04-26	67	--	49	36	105	--	--	--	<.100	--	--	--
82-07-08	--	--	45	27	128	--	--	--	<.040	--	--	--
82-07-20	71	13	41	30	100	--	.70	<.002	.100	--	--	--
82-03-18	5.7	--	4	4.0	7.0	--	--	--	<.040	--	--	--
82-04-08	6.0	--	3	4.0	6.0	--	--	--	<.040	--	--	--
82-07-19	6.7	.7	3	5.3	8.4	--	.20	<.002	<.100	--	--	--
82-03-18	58	--	13	10	102	--	--	--	.040	--	--	--
82-04-08	59	--	0	11	95	--	--	--	.050	--	--	--
82-07-19	45	1.4	8	14	73	--	.70	<.002	<.100	--	--	--
81-12-07	--	--	14	6.0	1.0	--	.18	<.010	<.010	<.10	490	30
81-12-08	--	--	14	6.0	1.0	--	.18	<.010	<.010	<.10	490	30
82-03-05	--	--	20	3.0	1.5	--	.05	<.010	<.010	<.10	220	<10
82-06-03	--	--	16	.9	1.0	--	<.05	<.010	<.010	<.10	180	30
82-07-19	2.8	3.1	19	2.1	1.3	--	<.20	.003	<.100	--	--	--
82-09-22	--	--	26	8.8	6.5	--	1.6	<.010	<.010	<.10	110	20

DATE OF SAMPLE	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
82-02-25	<.10
82-04-26	<.10
82-07-08	<.10
82-07-20	--
82-03-18	<.10
82-04-08	<.10
82-07-19	--
82-03-18	<.10
82-04-08	<.10
82-07-19	--
81-12-07	<.02
81-12-08	<.02
82-03-05	<.02
82-06-03	<.02
82-07-19	--
82-09-22	<.02

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Department of Health Services.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	HARD-NESS (MG/L AS CACO3)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
405254073214202	S 46962	112GLCLU	82-04-14	62	138	6.1	--	--	--
		112GLCLU	82-05-13	62	122	6.2	--	--	--
		112GLCLU	82-08-18	62	134	6.0	--	11	4.4
405226073095701	S 46963	112GLCLU	82-03-15	128	180	5.8	--	9.5	5.0
		112GLCLU	82-04-19	128	189	6.0	--	--	--
		112GLCLU	82-08-04	128	175	5.6	--	8.0	4.0
405225073152200	S 46964	112GLCLU	82-03-11	101	105	5.4	--	--	--
		112GLCLU	82-04-15	101	116	5.8	--	--	--
		112GLCLU	82-08-17	101	122	5.1	--	5.0	3.6
405230073164400	S 46965	112GLCLU	82-04-15	147	380	6.2	--	--	--
		112GLCLU	82-08-10	147	360	5.9	--	25	10
405140073005701	S 47100 VILL. WOODS S.T.	112GLCLU	82-04-19	139	235	6.1	--	13	5.5
404933073134201	S 47157	112GLCLU	82-04-27	23	--	6.4	--	--	--

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHATE, TOTAL (MG/L AS PO4)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)
82-04-14	11	--	22	13	12	--	--	--	<.040	--	--	--
82-05-13	9.8	--	21	10	13	--	--	--	<.040	--	--	--
82-08-18	10	1.4	25	13	14	--	3.7	.004	<.100	--	--	--
82-03-15	25	1.5	14	18	36	--	2.7	.002	<.050	--	--	--
82-04-19	23	--	15	7.0	36	--	--	--	<.040	--	--	--
82-08-04	24	1.7	13	20	35	--	2.6	.002	<.050	--	--	--
82-03-11	6.3	--	15	<4.0	17	--	--	--	.050	--	--	--
82-04-15	12	--	14	<4.0	20	--	--	--	.040	--	--	--
82-08-17	12	1.4	11	--	20	--	4.0	.006	<.100	--	--	--
82-04-15	27	--	37	14	97	--	--	--	<.040	--	--	--
82-08-10	40	2.0	35	13	97	--	1.3	<.002	<.100	--	--	--
82-04-19	39	2.6	43	21	33	--	7.3	.004	.200	--	--	--
82-04-27	--	--	121	27	--	--	4.1	.016	3.10	--	--	--

DATE OF SAMPLE	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
82-04-14	<.10
82-05-13	<.10
82-08-18	--
82-03-15	--
82-04-19	<.10
82-08-04	--
82-03-11	<.10
82-04-15	<.10
82-08-17	--
82-04-15	<.10
82-08-10	--
82-04-19	--
82-04-27	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Department of Health Services.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	HARD-NESS (MG/L AS CACO3)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
404759073251600	S 47220	112GLCLU	82-03-08	92	20	5.8	--	.6	.4
		112GLCLU	82-04-13	92	21	6.0	--	--	--
		112GLCLU	82-09-13	92	22	5.2	--	.4	.4
404351073054101	S 47223	112GLCLU	82-01-27	26	215	5.4	--	21	2.5
		112GLCLU	82-02-23	26	180	5.9	--	--	--
		112GLCLU	82-04-26	26	198	6.0	--	--	--
		112GLCLU	82-05-06	26	170	5.7	--	--	--
		112GLCLU	82-07-06	26	180	5.8	--	22	3.0
		112GLCLU	82-07-20	26	185	5.6	--	20	2.6
404817072532500	S 47224	112GLCLU	82-01-27	33	58	5.3	--	2.6	1.3
		112GLCLU	82-03-25	33	62	5.9	--	--	--
		112GLCLU	82-05-20	33	59	5.3	--	--	--
		112GLCLU	82-07-12	33	55	5.4	--	2.7	1.3

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHATE, TOTAL (MG/L AS PO4)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)
82-03-08	2.7	.5	4	.5	4.0	--	<.20	.003	<.100	--	--	--
82-04-13	3.5	--	5	<4.0	4.0	--	--	--	<.040	--	--	--
82-09-13	2.8	.5	3	.6	3.7	--	<.20	<.002	<.100	--	--	--
82-01-27	18	3.0	18	29	28	--	2.0	.005	.530	--	--	--
82-02-23	15	--	22	40	16	--	--	--	.440	--	--	--
82-04-26	16	--	24	28	26	--	--	--	.270	--	--	--
82-05-06	15	--	20	24	28	--	--	--	.250	--	--	--
82-07-06	17	2.2	19	21	31	--	3.0	<.002	.100	--	--	--
82-07-20	18	2.2	13	22	32	--	2.7	<.002	.100	--	--	--
82-01-27	5.3	1.7	3	7.0	7.4	--	.40	--	.070	--	--	--
82-03-25	4.3	--	0	4.0	7.0	--	--	--	.040	--	--	--
82-05-20	4.7	--	6	7.0	4.0	--	--	--	<.040	--	--	--
82-07-12	4.1	1.6	5	5.1	6.8	--	.50	<.002	<.100	--	--	--

DATE OF SAMPLE	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
82-03-08	--
82-04-13	<.10
82-09-13	--
82-01-27	--
82-02-23	<.10
82-04-26	<.10
82-05-06	<.10
82-07-06	--
82-07-20	--
82-01-27	--
82-03-25	<.10
82-05-20	<.10
82-07-12	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Department of Health Services.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	HARD-NESS (MG/L AS CACO3)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
405218072561101	S 47225	112GLCLU	82-01-27	31	220	5.1	--	19	2.5
		112GLCLU	82-03-29	31	190	5.6	--	17	2.5
		112GLCLU	82-05-10	31	178	5.2	--	--	--
		112GLCLU	82-07-13	31	171	5.2	--	--	--
405240072491402	S 47226	112GLCLU	81-12-07	27	73	5.5	20	--	--
		112GLCLU	81-12-08	27	--	--	20	--	--
		112GLCLU	82-03-05	27	--	--	45	--	--
		112GLCLU	82-05-04	27	76	6.2	--	--	--
		112GLCLU	82-06-09	27	--	--	26	--	--
		112GLCLU	82-07-08	27	71	5.7	--	--	--
		112GLCLU	82-09-20	27	68	6.6	--	5.4	.9
		112GLCLU	82-09-22	27	--	--	23	--	--

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHATE, TOTAL (MG/L AS PO4)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)
82-01-27	23	6.5	8	40	18	--	8.2	.005	.090	--	--	--
82-03-29	18	5.0	9	36	15	--	6.3	.003	.060	--	--	--
82-05-10	13	--	9	36	14	--	--	--	<.040	--	--	--
82-07-13	13	--	8	39	15	--	--	--	<.040	--	--	--
81-12-07	--	--	18	4.1	6.5	--	.02	<.010	<.010	<.10	12000	190
81-12-08	--	--	18	4.1	6.5	--	.02	<.010	<.010	<.10	1200	190
82-03-05	--	--	16	3.8	5.0	--	<.05	<.010	<.010	<.10	8660	150
82-05-04	4.6	--	30	<4.0	7.0	--	--	--	.160	--	--	--
82-06-09	--	--	20	1.3	5.0	--	<.05	<.010	<.010	<.10	8600	180
82-07-08	4.0	--	34	7.0	7.0	--	--	--	.120	--	--	--
82-09-20	4.0	.5	33	1.0	6.4	--	<.20	<.002	.100	--	--	--
82-09-22	--	--	20	2.0	5.0	--	<.05	<.010	<.010	.18	6900	150

DATE OF SAMPLE	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
82-01-27	--
82-03-29	--
82-05-10	<.10
82-07-13	<.10
81-12-07	<.02
81-12-08	<.02
82-03-05	<.02
82-05-04	<.10
82-06-09	<.02
82-07-08	<.10
82-09-20	--
82-09-22	<.02

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Department of Health Services.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	HARD-NESS (MG/L AS CACO3)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
405240072491401	S 47227	112GLCLU	81-12-06	100	105	7.0	42	--	--
		112GLCLU	81-12-08	100	--	--	42	--	--
		112GLCLU	82-03-05	100	--	--	53	--	--
		112GLCLU	82-05-04	100	97	6.7	--	--	--
		112GLCLU	82-06-04	100	--	--	54	--	--
		112GLCLU	82-07-08	100	92	5.7	--	--	--
		112GLCLU	82-09-20	100	93	6.8	--	12	2.6
		112GLCLU	82-09-22	100	--	--	48	--	--
405306072462701	S 47228	112GLCLU	82-01-26	101	69	5.7	--	2.5	1.0
		112GLCLU	82-04-07	101	68	6.4	--	1.9	.3
		112GLCLU	82-05-04	101	69	5.8	--	--	--
		112GLCLU	82-06-17	101	69	6.7	--	--	--
		112GLCLU	82-07-07	101	65	5.4	--	--	--
		112GLCLU	82-09-27	101	68	6.2	--	--	--

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHATE, TOTAL (MG/L AS PO4)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)
81-12-06	--	--	43	3.4	4.5	--	<.01	.030	<.010	.40	930	280
81-12-08	--	--	43	3.4	4.5	--	<.01	.030	<.010	.40	930	280
82-03-05	--	--	42	2.8	4.0	--	<.05	<.010	<.010	.40	850	270
82-05-04	4.7	--	45	<4.0	5.0	--	--	--	.130	--	--	--
82-06-04	--	--	45	3.5	4.0	--	--	--	<.010	.64	680	300
82-07-08	4.4	--	48	4.0	5.0	--	--	--	.110	--	--	--
82-09-20	4.8	.5	48	3.2	5.5	--	<.20	<.002	.100	--	--	--
82-09-22	--	--	45	2.9	5.0	--	.01	.090	<.010	.47	690	280
82-01-26	14	1.0	14	7.6	21	--	.04	.007	.120	--	--	--
82-04-07	6.5	.4	16	7.5	9.5	--	<.20	.003	<.100	--	--	--
82-05-04	5.9	--	17	4.0	10	--	--	--	<.040	--	--	--
82-06-17	5.3	--	18	10	10	--	--	--	<.040	--	--	--
82-07-07	5.6	--	16	4.0	9.0	--	--	--	<.040	--	--	--
82-09-27	6.0	--	16	6.0	9.0	--	--	--	.040	--	--	--

DATE OF SAMPLE	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
81-12-06	<.02
81-12-08	<.02
82-03-05	<.02
82-05-04	<.10
82-06-04	<.02
82-07-08	<.10
82-09-20	--
82-09-22	<.02
82-01-26	--
82-04-07	--
82-05-04	<.10
82-06-17	<.10
82-07-07	<.10
82-09-27	<.10

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Department of Health Services.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	HARD-NESS (MG/L AS CACO3)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
405306072482702	S 47229	112GLCLU	82-01-26	26	100	5.4	--	4.0	1.2
		112GLCLU	82-04-07	26	78	5.5	--	4.4	1.4
		112GLCLU	82-05-04	26	80	5.5	--	--	--
		112GLCLU	82-06-17	26	84	5.6	--	--	--
		112GLCLU	82-07-07	26	91	5.2	--	--	--
		112GLCLU	82-09-27	26	97	5.5	--	--	--
405417072402300	S 47230	112GLCLU	82-07-21	33	61	4.6	--	1.4	.9
		112GLCLU	82-09-20	33	60	4.3	--	1.4	.9
405541072375300	S 47231	112GLCLU	82-01-28	40	160	4.9	--	--	--
		112GLCLU	82-05-17	40	146	4.8	--	--	--
		112GLCLU	82-05-20	40	140	5.1	--	--	--
		112GLCLU	82-09-09	40	150	5.1	--	--	--
405248072332700	S 47232	112GLCLU	82-05-11	56	73	5.9	--	--	--
		112GLCLU	82-07-14	56	71	5.5	--	--	--
		112GLCLU	82-09-14	56	70	5.7	--	2.4	1.4

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHATE, TOTAL (MG/L AS PO4)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)
82-01-26	11	1.4	5	7.6	14	--	.79	.004	.130	--	--	--
82-04-07	8.0	1.6	6	8.2	12	--	1.2	.004	.200	--	--	--
82-05-04	7.6	--	9	4.0	11	--	--	--	.180	--	--	--
82-06-17	7.8	--	13	11	13	--	--	--	.080	--	--	--
82-07-07	9.9	--	9	4.0	14	--	--	--	.080	--	--	--
82-09-27	12	--	10	9.0	15	--	--	--	.240	--	--	--
82-07-21	7.6	1.0	0	9.5	13	--	<.20	<.002	<.100	--	--	--
82-09-20	7.3	.9	--	8.6	12	--	<.20	<.002	<.100	--	--	--
82-01-28	17	--	2	--	16	--	--	--	.230	--	--	--
82-05-17	18	--	4	18	29	--	--	--	.180	--	--	--
82-05-20	18	--	5	20	30	--	--	--	.220	--	--	--
82-09-09	15	--	5	18	24	--	--	--	.080	--	--	--
82-05-11	6.4	--	24	<4.0	10	--	--	--	.400	--	--	--
82-07-14	6.5	--	23	5.0	11	--	--	--	.380	--	--	--
82-09-14	6.7	.5	23	.9	10	--	<.20	<.002	.600	--	--	--

DATE OF SAMPLE	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
82-01-26	--
82-04-07	--
82-05-04	<.10
82-06-17	<.10
82-07-07	.20
82-09-27	<.10
82-07-21	--
82-09-20	--
82-01-28	<.10
82-05-17	<.10
82-05-20	<.10
82-09-09	<.10
82-05-11	<.10
82-07-14	<.10
82-09-14	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Department of Health Services.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	HARD-NESS (MG/L AS CACO3)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
410348072272900	S 47233	112GLCLU	82-06-16	51	225	6.2	--	23	13
		112GLCLU	82-08-26	51	335	5.8	--	--	--
410213072232700	S 47234	112GLCLU	82-06-08	27	1000	6.9	--	--	--
		112GLCLU	82-08-30	27	3980	6.2	--	--	--
410037072145101	S 47235	112GLCLU	82-09-08	22	645	6.2	--	--	--
410156072133601	S 47236	112GLCLU	82-09-08	57	114	6.1	--	--	--
405111073065801	S 47675	112GLCLU	82-05-17	90	200	6.1	--	19	4.2
		112GLCLU	82-08-30	90	380	5.8	--	32	6.4
405307073060900	S 47696	112GLCLU	82-02-08	104	64	6.5	--	3.0	1.6
		112GLCLU	82-04-28	104	59	6.0	--	2.9	1.6
		112GLCLU	82-08-30	104	65	5.6	--	2.8	1.6
404941073065400	S 47718	112GLCLU	82-04-08	51	175	6.4	--	--	--
		112GLCLU	82-05-17	51	170	6.4	--	16	4.3
		112GLCLU	82-08-25	51	195	6.0	--	15	4.1

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHATE, TOTAL (MG/L AS PO4)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)
82-06-16	16	1.8	13	67	24	--	5.5	.002	<.050	--	--	--
82-08-26	14	--	17	70	28	--	--	--	<.040	--	--	--
82-06-08	--	--	31	--	--	--	.30	.008	.800	--	--	--
82-08-30	--	--	32	--	--	--	.20	.004	.900	--	--	--
82-09-08	125	--	38	25	222	--	--	--	.810	--	--	--
82-09-08	20	--	15	8.0	19	--	--	--	<.040	--	--	--
82-05-17	24	2.7	52	15	25	--	4.8	.003	.050	--	--	--
82-08-30	47	4.2	45	16	94	--	4.2	.004	.100	--	--	--
82-02-08	6.1	.7	7	2.6	10	--	.70	<.002	<.050	--	--	--
82-04-28	6.3	.7	7	3.9	11	--	1.0	.001	<.100	--	--	--
82-08-30	6.3	.7	9	3.5	12	--	.70	<.002	<.100	--	--	--
82-04-08	14	--	60	24	13	--	--	--	1.23	--	--	--
82-05-17	12	4.2	51	19	16	--	.09	.002	1.00	--	--	--
82-08-25	20	4.2	40	24	32	--	.20	<.002	1.00	--	--	--

DATE OF SAMPLE	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
82-06-16	--
82-08-26	<.10
82-06-08	--
82-08-30	--
82-09-08	<.10
82-09-08	<.10
82-05-17	--
82-08-30	--
82-02-08	--
82-04-28	--
82-08-30	--
82-04-08	<.10
82-05-17	--
82-08-25	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Department of Health Services.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	HARD-NESS (MG/L AS CACO3)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
404642073005801	S 47743	112GLCLU	82-04-01	100	69	6.8	--	--	--
		112GLCLU	82-07-11	100	77	6.3	--	6.8	1.9
405417072572701	S 47745	112GLCLU	82-03-29	32	84	5.2	--	5.2	1.5
		112GLCLU	82-05-10	32	101	5.1	--	--	--
		112GLCLU	82-09-30	32	155	5.0	--	--	--
404847072571300	S 47746	112GLCLU	82-03-24	84	67	5.8	--	3.7	2.2
		112GLCLU	82-07-12	84	77	5.7	--	3.8	2.5
404740072545200	S 47747	112GLCLU	82-01-05	33	100	5.5	--	2.5	2.0
		112GLCLU	82-03-25	33	73	5.6	--	--	--
		112GLCLU	82-07-12	33	79	5.4	--	1.8	1.4
405638072514700	S 47748	112GLCLU	82-03-15	115	34	6.2	--	2.3	1.5
		112GLCLU	82-05-25	115	42	6.1	--	--	--
		112GLCLU	82-08-09	115	52	5.9	--	1.9	1.4

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHATE, TOTAL (MG/L AS PO4)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)
82-04-01	2.7	--	28	<4.0	5.5	--	--	--	<.040	--	--	--
82-07-11	4.3	.8	27	2.8	4.5	--	<.20	.003	<.100	--	--	--
82-03-29	6.6	1.2	4	16	11	--	.71	.001	<.050	--	--	--
82-05-10	9.9	--	5	12	17	--	--	--	<.040	--	--	--
82-09-30	10	--	4	14	38	--	--	--	<.040	--	--	--
82-03-24	5.3	1.4	9	9.1	7.8	--	.50	.002	.060	--	--	--
82-07-12	5.0	1.3	8	9.0	3.3	--	.40	<.002	<.100	--	--	--
82-01-05	15	1.1	5	6.2	22	--	.16	<.001	<.050	--	--	--
82-03-25	11	--	--	5.0	16	--	--	--	<.040	--	--	--
82-07-12	8.6	.9	3	6.3	14	--	<.20	<.002	<.100	--	--	--
82-03-15	4.6	.5	7	--	6.3	--	.02	.002	<.050	--	--	--
82-05-25	4.0	--	6	6.0	6.0	--	--	--	<.040	--	--	--
82-08-09	4.5	.6	9	5.1	7.3	--	.05	.002	<.050	--	--	--

DATE OF SAMPLE	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
82-04-01	<.10
82-07-11	--
82-03-29	--
82-05-10	<.10
82-09-30	<.10
82-03-24	--
82-07-12	--
82-01-05	--
82-03-25	<.10
82-07-12	--
82-03-15	5.0
82-05-25	<.10
82-08-09	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Department of Health Services.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	HARD-NESS (MG/L AS CACO3)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
405338072530401	S 47749	112GLCLU	82-03-15	32	300	5.6	--	24	6.0
		112GLCLU	82-05-05	32	332	5.4	--	--	--
		112GLCLU	82-07-13	32	312	4.9	--	--	--
		112GLCLU	82-09-30	32	230	5.7	--	--	--
405004072515400	S 47750	112GLCLU	82-01-06	95	52	6.0	--	3.0	1.2
		112GLCLU	82-03-18	95	50	6.2	--	--	--
		112GLCLU	82-05-25	95	49	6.7	--	--	--
		112GLCLU	82-07-12	95	51	6.0	--	3.0	1.2
404607072594702	S 47751	112GLCLU	82-01-05	38	210	5.0	--	15	3.0
		112GLCLU	82-03-24	38	210	5.2	--	15	2.6
		112GLCLU	82-05-19	38	213	4.9	--	--	--
		112GLCLU	82-07-11	38	215	4.8	--	15	2.4
404607072594701	S 47752	112GLCLU	82-01-05	100	66	6.6	--	5.5	2.8
		112GLCLU	82-03-24	100	68	6.9	--	5.7	2.6
		112GLCLU	82-05-19	100	66	5.9	--	--	--
		112GLCLU	82-07-11	100	76	6.2	--	5.6	2.7

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHATE, TOTAL (MG/L AS PO4)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)
82-03-15	42	3.0	26	35	68	--	3.8	.004	.050	--	--	--
82-05-05	31	--	15	44	78	--	--	--	.060	--	--	--
82-07-13	40	--	11	39	74	--	--	--	<.040	--	--	--
82-09-30	33	--	22	30	56	--	--	--	<.040	--	--	--
82-01-06	4.8	.5	8	6.4	6.2	--	<.02	<.002	<.050	--	--	--
82-03-18	4.3	--	8	4.0	7.0	--	--	--	<.040	--	--	--
82-05-25	4.4	--	0	7.0	7.0	--	--	--	<.040	--	--	--
82-07-12	4.6	.4	8	5.4	6.7	--	<.20	.003	<.100	--	--	--
82-01-05	21	4.2	5	29	20	--	7.4	<.002	<.200	--	--	--
82-03-24	24	5.0	5	27	22	--	10	.011	.300	--	--	--
82-05-19	24	--	5	29	24	--	--	--	.340	--	--	--
82-07-11	24	4.6	3	25	22	--	11	.003	.200	--	--	--
82-01-05	4.4	.7	29	2.9	4.0	--	<.02	.002	<.050	--	--	--
82-03-24	4.5	.7	28	2.7	3.8	--	.06	.001	<.050	--	--	--
82-05-19	4.5	--	28	<4.0	<4.0	--	--	--	<.040	--	--	--
82-07-11	4.4	.7	29	3.0	3.9	--	<.20	<.002	<.100	--	--	--

DATE OF SAMPLE	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
82-03-15	--
82-05-05	<.10
82-07-13	<.10
82-09-30	<.10
82-01-06	--
82-03-18	<.10
82-05-25	<.10
82-07-12	--
82-01-05	--
82-03-24	--
82-05-19	<.10
82-07-11	--
82-01-05	--
82-03-24	--
82-05-19	<.10
82-07-11	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Department of Health Services.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	HARD-NESS (MG/L AS CACO3)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
405412072441401	S 47753	112GLCLU	82-01-06	100	61	5.8	--	3.0	1.4
		112GLCLU	82-03-16	100	60	5.9	--	3.1	1.2
		112GLCLU	82-05-04	100	54	6.0	--	--	--
		112GLCLU	82-07-12	100	54	5.3	--	--	--
		112GLCLU	82-09-29	100	54	6.2	--	--	--
405412072441402	S 47754	112GLCLU	82-01-06	39	46	5.5	--	1.5	1.0
		112GLCLU	82-03-16	39	86	5.1	--	2.4	1.0
		112GLCLU	82-05-04	39	151	5.3	--	--	--
		112GLCLU	82-07-12	39	129	5.6	--	--	--
		112GLCLU	82-09-29	39	70	5.0	--	--	--
405136072464500	S 47755	112GLCLU	82-03-16	58	55	5.6	--	2.6	1.4
		112GLCLU	82-05-06	58	55	5.5	--	--	--
		112GLCLU	82-07-13	58	54	5.2	--	--	--
		112GLCLU	82-09-28	58	54	5.8	--	--	--

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHATE, TOTAL (MG/L AS PO4)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)
82-01-06	6.7	.8	10	10	6.0	--	.06	.001	<.050	--	--	--
82-03-16	6.4	.7	8	9.0	6.3	--	.04	.001	<.050	--	--	--
82-05-04	7.0	--	9	5.0	16	--	--	--	<.040	--	--	--
82-07-12	6.2	--	8	9.0	8.0	--	--	--	<.040	--	--	--
82-09-29	6.3	--	7	7.0	8.0	--	--	--	<.040	--	--	--
82-01-06	4.0	.1	3	8.2	5.9	--	<.02	<.002	<.050	--	--	--
82-03-16	12	.6	2	9.2	18	--	.05	.002	<.050	--	--	--
82-05-04	28	--	5	8.0	36	--	<.40	--	<.040	--	--	--
82-07-12	23	--	3	12	34	--	--	--	<.040	--	--	--
82-09-29	11	--	2	7.0	16	--	--	--	<.040	--	--	--
82-03-16	5.2	.9	4	7.8	7.5	--	.07	.002	<.050	--	--	--
82-05-06	5.9	--	6	6.0	9.0	--	--	--	<.040	--	--	--
82-07-13	5.2	--	4	8.0	9.0	--	--	--	<.040	--	--	--
82-09-28	5.0	--	4	7.0	7.0	--	--	--	<.040	--	--	--

DATE OF SAMPLE	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
82-01-06	--
82-03-16	--
82-05-04	<.10
82-07-12	<.10
82-09-29	<.10
82-01-06	--
82-03-16	--
82-05-04	<.10
82-07-12	<.10
82-09-29	<.10
82-03-16	--
82-05-06	<.10
82-07-13	<.10
82-09-28	<.10

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Department of Health Services.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	HARD-NESS (MG/L AS CACO3)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
404922072595001	S 47756	112GLCLU	82-01-05	69	116	6.0	--	4.5	2.5
		112GLCLU	82-04-01	69	94	5.6	--	--	--
		112GLCLU	82-05-25	69	88	5.5	--	--	--
		112GLCLU	82-07-13	69	87	5.2	--	--	--
405008073025500	S 47757	112GLCLU	82-04-29	138	220	5.8	--	--	--
404852073050400	S 47758	112GLCLU	82-05-11	102	155	--	--	--	--
		112GLCLU	82-08-30	102	250	5.4	--	8.6	5.1
405548072555101	S 47945	112GLCLU	82-03-25	142	73	6.0	--	--	--
		112GLCLU	82-05-25	142	70	5.7	--	--	--
		112GLCLU	82-08-09	142	81	5.7	--	4.3	1.7
405604073064301	S 47973	112GLCLU	82-04-29	90	180	6.1	--	--	--
		112GLCLU	82-08-30	90	210	5.8	--	25	6.6
405532073025701	S 47974	112GLCLU	82-03-30	149	132	6.2	--	7.0	2.0
		112GLCLU	82-09-13	149	190	6.1	--	11	5.0

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHATE, TOTAL (MG/L AS PO4)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)
82-01-05	15	1.5	9	7.0	22	--	.34	.001	<.050	--	--	--
82-04-01	11	--	7	7.0	19	--	--	--	<.040	--	--	--
82-05-25	12	--	7	8.0	18	--	--	--	<.040	--	--	--
82-07-13	12	--	5	7.0	19	--	--	--	<.040	--	--	--
82-04-29	27	--	22	6.0	75	--	--	--	<.040	--	--	--
82-05-11	21	--	--	8.0	41	--	--	--	<.040	--	--	--
82-08-30	41	2.6	10	12	71	--	2.3	<.002	<.100	--	--	--
82-03-25	4.8	--	14	8.0	7.0	--	--	--	.110	--	--	--
82-05-25	4.6	--	0	11	10	--	--	--	<.040	--	--	--
82-08-09	5.4	.9	12	9.3	9.2	--	.80	.003	.090	--	--	--
82-04-29	8.5	--	--	63	12	--	--	--	<.040	--	--	--
82-08-30	11	1.6	22	46	18	--	3.0	--	<.100	--	--	--
82-03-30	20	1.3	30	8.1	17	--	2.4	.004	.080	--	--	--
82-09-13	26	2.5	35	5.6	38	--	3.7	.004	<.100	--	--	--

DATE OF SAMPLE	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
82-01-05	--
82-04-01	<.10
82-05-25	<.10
82-07-13	<.10
82-04-29	<.10
82-05-11	<.10
82-08-30	--
82-03-25	<.10
82-05-25	<.10
82-08-09	--
82-04-29	<.10
82-08-30	--
82-03-30	--
82-09-13	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Department of Health Services.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	HARD-NESS (MG/L AS CACO3)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
405050072595301	S 47975	112GLCLU	82-04-28	129	150	6.0	--	21	7.2
		112GLCLU	82-08-09	129	165	5.9	--	20	7.0
405605072591501	S 47976	112GLCLU	82-03-30	138	132	6.1	--	9.6	4.3
		112GLCLU	82-05-12	138	139	5.6	--	--	--
		112GLCLU	82-07-21	138	131	5.6	--	10	4.2
		112GLCLU	82-09-29	138	155	6.1	--	--	--
404711072515000	S 47977	112GLCLU	82-03-24	55	165	4.9	--	10	2.6
		112GLCLU	82-05-02	55	166	5.2	--	--	--
		112GLCLU	82-07-15	55	160	4.5	--	--	--
405606072202701	S 48425	112GLCLU	82-05-27	44	410	5.6	--	--	--
		112GLCLU	82-08-10	44	360	5.4	--	--	--
405740072190001	S 48426	112GLCLU	82-08-10	121	126	5.8	--	--	--
405618072180501	S 48427	112GLCLU	82-05-26	52	224	5.8	--	--	--
		112GLCLU	82-08-12	52	232	5.7	--	--	--

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHATE, TOTAL (MG/L AS PO4)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)
82-04-28	7.0	1.4	41	26	12	--	2.5	.001	<.100	--	--	--
82-08-09	6.7	1.3	45	22	14	--	2.2	.002	<.050	--	--	--
82-03-30	12	1.3	22	13	15	--	3.2	.002	<.050	--	--	--
82-05-12	10	--	24	12	13	--	--	--	<.040	--	--	--
82-07-21	11	1.3	24	15	14	--	2.4	<.002	<.100	--	--	--
82-09-29	16	--	34	13	19	--	--	--	<.040	--	--	--
82-03-24	12	5.8	4	2.7	16	--	13	.010	.100	--	--	--
82-05-02	13	--	5	4.0	17	--	--	--	.160	--	--	--
82-07-15	14	--	--	5.0	20	--	--	--	<.040	--	--	--
82-05-27	9.7	--	12	129	33	--	--	--	<.040	--	--	--
82-08-10	8.0	--	11	123	34	--	--	--	.040	--	--	--
82-08-10	8.6	--	--	9.0	13	--	--	--	<.040	--	--	--
82-05-26	19	--	19	32	29	--	--	--	--	--	--	--
82-08-12	20	--	17	27	37	--	--	--	<.040	--	--	--

DATE OF SAMPLE	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
82-04-28	--
82-08-09	--
82-03-30	--
82-05-12	<.10
82-07-21	--
82-09-29	<.10
82-03-24	--
82-05-02	<.10
82-07-15	<.10
82-05-27	<.10
82-08-10	<.10
82-08-10	<.10
82-05-26	<.10
82-08-12	<.10

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Department of Health Services.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	HARD-NESS (MG/L AS CACO3)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
405704072165901	S 48428	112GLCLU	82-08-11	71	51	5.2	--	--	--
405807072121001	S 48429	112GLCLU	82-09-14	66	104	6.2	--	--	--
405501072215501	S 48430	112GLCLU	82-08-10	39	89	5.2	--	--	--
405606072235701	S 48432	112GLCLU	82-06-07	63	71	5.5	--	--	--
		112GLCLU	82-09-01	63	71	6.4	--	--	--
405644072220101	S 48433	112GLCLU	82-09-15	135	61	5.9	--	--	--
405227072352301	S 48434	112GLCLU	82-05-13	187	102	6.0	--	--	--
		112GLCLU	82-07-21	187	108	5.8	--	9.0	3.8
405051072353101	S 48435 E. QUOGUE	112GLCLU	82-08-09	56	120	5.2	--	--	--
405831072171201	S 48437	112GLCLU	82-08-11	69	53	5.3	--	--	--

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHATE, TOTAL (MG/L AS PO4)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)
82-08-11	4.6	--	5	10	11	--	--	--	<.040	--	--	--
82-09-14	4.6	--	21	21	7.0	--	--	--	.090	--	--	--
82-08-10	5.9	--	--	21	13	--	--	--	.900	--	--	--
82-06-07	10	--	9	20	12	--	--	--	<.040	--	--	--
82-09-01	9.3	--	13	7.0	11	--	--	--	<.040	--	--	--
82-09-15	7.2	--	8	8.0	11	--	--	--	.190	--	--	--
82-05-13	9.3	--	37	6.0	10	--	--	--	<.040	--	--	--
82-07-21	9.4	1.0	39	7.6	11	--	.20	<.002	<.100	--	--	--
82-08-09	8.4	--	4	21	15	--	--	--	<.040	--	--	--
82-08-11	5.0	--	8	11	9.0	--	--	--	<.040	--	--	--

DATE OF SAMPLE	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
82-08-11	<.10
82-09-14	<.10
82-08-10	<.10
82-06-07	<.10
82-09-01	<.10
82-09-15	<.10
82-05-13	<.10
82-07-21	--
82-08-09	<.10
82-08-11	<.10

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Department of Health Services.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	HARD-NESS (MG/L AS CACO3)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
405844072191601	S 48438	112GLCLU	82-06-07	78	283	5.5	--	--	--
		112GLCLU	82-08-25	78	171	5.6	--	--	--
405325072262702	S 48439	112GLCLU	82-08-09	51	189	6.0	--	--	--
405325072262701	S 48440	112GLCLU	82-08-09	102	79	5.9	--	--	--
404941072414801	S 48442 SPEONK	112GLCLU	82-08-09	54	53	5.2	--	--	--
405838072154001	S 48517	112GLCLU	82-05-26	71	55	5.8	--	--	--
		112GLCLU	82-08-11	71	56	5.5	--	--	--
405650072145201	S 48518	112GLCLU	82-05-26	71	92	5.6	--	--	--
		112GLCLU	82-08-11	71	122	5.3	--	--	--
410243071560101	S 48519	112GLCLU	82-09-15	82	190	6.4	--	--	--
405818072132101	S 48520	112GLCLU	82-05-26	59	154	5.6	--	--	--
		112GLCLU	82-09-14	59	165	5.5	--	--	--

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHATE, TOTAL (MG/L AS PO4)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)
82-06-07	42	--	11	15	83	--	--	--	<.040	--	--	--
82-08-25	24	--	9	8.0	44	--	--	--	<.040	--	--	--
82-08-09	22	--	16	13	46	--	--	--	<.040	--	--	--
82-08-09	7.0	--	16	9.0	11	--	--	--	<.040	--	--	--
82-08-09	5.5	--	4	9.0	10	--	--	--	<.040	--	--	--
82-05-26	6.2	--	12	7.0	9.0	--	--	--	<.040	--	--	--
82-08-11	5.1	--	11	11	10	--	--	--	<.040	--	--	--
82-05-26	11	--	8	12	19	--	--	--	<.040	--	--	--
82-08-11	15	--	6	13	32	--	--	--	<.040	--	--	--
82-09-15	26	--	39	15	33	--	--	--	<.040	--	--	--
82-05-26	12	--	12	11	24	--	--	--	<.040	--	--	--
82-09-14	14	--	9	10	27	--	--	--	<.040	--	--	--

DATE OF SAMPLE	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
82-06-07	<.10
82-08-25	<.10
82-08-09	<.10
82-08-09	<.10
82-08-09	<.10
82-05-26	<.10
82-08-11	<.10
82-05-26	<.10
82-08-11	<.10
82-09-15	<.10
82-05-26	<.10
82-09-14	<.10

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Department of Health Services.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	HARD-NESS (MG/L AS CACO3)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
405940072164701	S 48521	112GLCLU	82-06-07	75	94	5.5	--	--	--
405858072062401	S 48522	112GLCLU	82-09-14	92	142	6.2	--	--	--
410149071583201	S 48577	112GLCLU	82-09-15	186	161	6.5	--	--	--
405928072110401	S 48578	112GLCLU	82-05-27	32	380	5.7	--	--	--
		112GLCLU	82-09-08	32	286	5.8	--	--	--
410316071535501	S 48579	112GLCLU	82-09-15	66	177	5.9	--	--	--
410024072103201	S 48580	112GLCLU	82-05-27	46	165	5.5	--	--	--
		112GLCLU	82-09-08	46	116	5.7	--	--	--
405308072322201	S 48581	112GLCLU	82-05-11	76	337	5.6	--	--	--
		112GLCLU	82-07-19	76	107	5.5	--	--	--
		112GLCLU	82-09-14	76	68	5.7	--	2.6	1.6

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHATE, TOTAL (MG/L AS PO4)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)
82-06-07	10	--	11	6.0	12	--	--	--	<.040	--	--	--
82-09-14	22	--	11	7.0	36	--	--	--	<.040	--	--	--
82-09-15	19	--	19	6.0	40	--	--	--	<.040	--	--	--
82-05-27	60	--	--	11	123	--	--	--	.020	--	--	--
82-09-08	43	--	13	12	84	--	--	--	.530	--	--	--
82-09-15	25	--	25	17	35	--	--	--	<.040	--	--	--
82-05-27	13	--	9	17	16	--	--	--	.060	--	--	--
82-09-08	12	--	9	20	16	--	--	--	<.040	--	--	--
82-05-11	62	--	0	5.0	104	--	--	--	<.040	--	--	--
82-07-19	18	--	12	6.0	27	--	<.40	--	<.040	--	--	--
82-09-14	7.7	.7	8	5.2	12	--	<.20	<.002	<.100	--	--	--

DATE OF SAMPLE	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
82-06-07	<.10
82-09-14	<.10
82-09-15	<.10
82-05-27	<.10
82-09-08	<.10
82-09-15	<.10
82-05-27	<.10
82-09-08	<.10
82-05-11	<.10
82-07-19	<.10
82-09-14	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Department of Health Services.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	HARD-NESS (MG/L AS CACO3)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
405225072371001	S 48582 OAKVILLE	112GLCLU	82-05-13	105	171	5.7	--	--	--
		112GLCLU	82-07-19	105	182	5.2	--	--	--
		112GLCLU	82-09-14	105	225	5.3	--	10	8.0
405139072385001	S 48583 WESTHAMPTON	112GLCLU	82-05-11	139	60	5.8	--	--	--
		112GLCLU	82-07-19	139	55	5.4	--	--	--
		112GLCLU	82-09-15	139	60	6.4	--	3.0	2.0
405139072385002	S 48584 WESTHAMPTON	112GLCLU	82-05-11	89	39	5.4	--	--	--
		112GLCLU	82-07-19	89	44	6.0	--	--	--
		112GLCLU	82-09-15	89	65	5.7	--	2.1	1.5
405136073041601	S 48651	112GLCLU	82-05-11	64	270	--	--	--	--
		112GLCLU	82-08-30	64	260	5.7	--	16	--
404641073005402	S 48759	112GLCLU	82-01-05	33	150	5.9	--	9.5	1.8
		112GLCLU	82-05-19	33	122	5.6	--	--	--
		112GLCLU	82-07-11	33	170	5.5	--	10	1.6

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHATE, TOTAL (MG/L AS PO4)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)
82-05-13	19	--	25	14	25	--	--	--	<.040	--	--	--
82-07-19	21	--	21	23	30	--	--	--	<.040	--	--	--
82-09-14	28	2.0	20	18	49	--	4.2	.010	--	--	--	--
82-05-11	5.9	--	16	<4.0	4.0	--	--	--	<.040	--	--	--
82-07-19	5.9	--	14	6.0	4.0	--	--	--	<.040	--	--	--
82-09-15	6.1	.5	16	3.8	5.0	--	1.6	<.002	<.100	--	--	--
82-05-11	3.7	--	5	5.0	5.0	--	--	--	<.040	--	--	--
82-07-19	4.7	--	4	6.0	8.0	--	--	--	<.040	--	--	--
82-09-15	7.6	.9	7	4.4	14	--	<.20	<.002	<.100	--	--	--
82-05-11	46	--	--	25	67	--	--	--	<.040	--	--	--
82-08-30	38	3.6	21	22	51	--	5.4	.005	<.100	--	--	--
82-01-05	17	3.4	12	20	12	--	4.8	.002	.600	--	--	--
82-05-19	12	--	11	12	6.0	--	--	--	.710	--	--	--
82-07-11	15	4.0	8	13	14	--	7.6	.003	1.20	--	--	--

DATE OF SAMPLE	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
82-05-13	<.10
82-07-19	<.10
82-09-14	--
82-05-11	<.10
82-07-19	<.10
82-09-15	--
82-05-11	<.10
82-07-19	<.10
82-09-15	--
82-05-11	<.10
82-08-30	--
82-01-05	--
82-05-19	<.10
82-07-11	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Department of Health Services.

STATION NUMBER	LOCAL IDENT- I- FIER	GEO- LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	HARD- NESS (MG/L AS CACO3)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG)
405121072490601	S 48946	112GLCLU	81-12-06	41	240	5.5	56	--	--
		112GLCLU	81-12-08	41	--	--	86	--	--
		112GLCLU	82-03-05	41	--	--	46	--	--
		112GLCLU	82-05-05	41	230	5.7	--	--	--
		112GLCLU	82-06-04	41	--	--	94	--	--
		112GLCLU	82-07-08	41	230	4.9	--	--	--
		112GLCLU	82-09-22	41	--	--	95	--	--
		112GLCLU	82-09-28	41	200	6.1	--	--	--
405259073010301	S 48958	112GLCLU	82-04-28	81	128	5.8	--	11	5.5
		112GLCLU	82-05-10	81	153	5.4	--	--	--
		112GLCLU	82-07-22	81	138	5.6	--	--	--
405846072093001	S 49898	112GLCLU	82-09-14	64	73	5.7	--	--	--
405456073020801	S 50971 WOODHAVEN MAN. S	112GLCLU	82-04-13	109	250	5.8	--	19	2.5

DATE OF SAMPLE	SODIUM, TOTAL RECOV- ERABLE (MG/L AS NA)	POTAS- SIUM, TOTAL RECOV- ERABLE (MG/L AS K)	ALKA- LINITY FIELD (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, TOTAL (MG/L AS F)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHATE, TOTAL (MG/L AS PO4)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)
81-12-06	--	--	10	27	20	--	9.7	.010	<.010	<.10	290	110
81-12-08	--	--	10	27	20	--	9.7	.010	<.010	<.10	290	110
82-03-05	--	--	11	33	18	--	13	<.010	<.010	<.10	950	170
82-05-05	7.7	--	11	39	17	--	--	--	<.040	--	--	--
82-06-04	--	--	13	34	15	--	8.5	<.010	<.010	<.10	500	130
82-07-08	8.1	--	9	37	17	--	--	--	<.040	--	--	--
82-09-22	--	--	20	37	18	--	9.0	.010	<.010	<.10	770	180
82-09-28	9.8	--	22	37	27	--	--	--	<.040	--	--	--
82-04-28	8.0	1.2	12	17	18	--	5.5	.001	<.100	--	--	--
82-05-10	7.0	--	12	14	19	--	--	--	<.040	--	--	--
82-07-22	8.1	--	11	24	12	--	--	--	<.040	--	--	--
82-09-14	9.1	--	15	6.0	11	--	--	--	<.040	--	--	--
82-04-13	36	16	22	7.0	38	--	19	.024	.100	--	--	--

DATE OF SAMPLE	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L)
81-12-06	<.02
81-12-08	<.02
82-03-05	<.02
82-05-05	<.10
82-06-04	<.02
82-07-08	<.10
82-09-22	<.02
82-09-28	<.10
82-04-28	--
82-05-10	<.10
82-07-22	<.10
82-09-14	<.10
82-04-13	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Department of Health Services.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	HARD-NESS (MG/L AS CACO3)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
410349072222201	S 51169 SHELTER ISLAND	112GLCLU	82-03-10	56	125	6.2	--	9.6	5.6
		112GLCLU	82-07-06	56	114	5.5	--	--	--
		112GLCLU	82-09-22	56	114	6.1	--	--	--
410311072215501	S 51170 SHELTER ISLAND	112GLCLU	82-03-10	43	105	6.2	--	5.0	2.4
		112GLCLU	82-06-02	43	--	5.5	--	--	--
		112GLCLU	82-09-22	43	108	6.1	--	--	--
410410072214701	S 51171 SHELTER ISLAND	112GLCLU	82-03-17	55	166	6.1	--	10	4.0
		112GLCLU	82-06-02	55	--	6.4	--	--	--
		112GLCLU	82-09-22	55	166	6.1	--	--	--
410350072210601	S 51172	112GLCLU	82-03-17	37	200	5.9	--	20	4.2
		112GLCLU	82-06-01	37	235	6.0	--	--	--
		112GLCLU	82-09-21	37	210	5.8	--	--	--

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHATE, TOTAL (MG/L AS PO4)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)
82-03-10	7.6	1.0	23	17	11	--	1.3	.002	<.050	--	--	--
82-07-06	7.5	--	21	19	11	--	--	--	<.040	--	--	--
82-09-22	7.0	--	22	18	12	--	--	--	<.040	--	--	--
82-03-10	13	1.1	11	6.4	23	--	.07	<.002	<.050	--	--	--
82-06-02	12	--	0	4.0	24	--	--	--	<.040	--	--	--
82-09-22	14	--	11	6.0	25	--	--	--	<.040	--	--	--
82-03-17	12	4.4	18	15	16	--	6.8	.001	<.050	--	--	--
82-06-02	12	--	21	12	16	--	--	--	<.040	--	--	--
82-09-22	12	--	21	21	18	--	--	--	<.040	--	--	--
82-03-17	14	8.6	25	31	21	--	5.0	.017	<.050	--	--	--
82-06-01	14	--	31	30	20	--	--	--	<.040	--	--	--
82-09-21	14	--	29	34	24	--	--	--	<.040	--	--	--

DATE OF SAMPLE	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
82-03-10	--
82-07-06	<.10
82-09-22	<.10
82-03-10	--
82-06-02	<.10
82-09-22	<.10
82-03-17	--
82-06-02	<.10
82-09-22	<.10
82-03-17	--
82-06-01	<.10
82-09-21	<.10

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Department of Health Services.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	HARD-NESS (MG/L AS CACO3)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
410510072212301	S 51173 SHELTER ISLAND	112GLCLU	82-02-24	51	122	6.2	--	8.4	3.0
		112GLCLU	82-06-03	51	117	5.7	--	--	--
		112GLCLU	82-09-22	51	122	6.2	--	--	--
410437072205601	S 51174 SHELTER ISLAND	112GLCLU	82-02-24	63	122	6.2	--	9.0	3.4
		112GLCLU	82-09-21	63	153	6.1	--	--	--
410416072205101	S 51175 SHELTER ISLAND	112GLCLU	82-03-31	60	144	6.2	--	9.4	4.8
		112GLCLU	82-07-06	60	137	5.5	--	--	--
		112GLCLU	82-09-23	60	141	6.3	--	--	--
410316072192901	S 51177 SHELTER ISLAND	112GLCLU	82-06-02	27	--	5.6	--	--	--
		112GLCLU	82-09-20	27	109	5.9	--	6.8	2.2

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHATE, TOTAL (MG/L AS PO4)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)
82-02-24	13	1.6	20	11	18	--	1.8	.002	<.050	--	--	--
82-06-03	12	--	21	10	15	--	--	--	<.040	--	--	--
82-09-22	--	--	22	12	18	--	--	--	<.040	--	--	--
82-02-24	14	1.4	22	14	15	--	1.6	.002	<.050	--	--	--
82-09-21	14	--	21	18	22	--	--	--	<.040	--	--	--
82-03-31	13	1.8	19	22	17	--	2.2	.004	.060	--	--	--
82-07-06	13	--	15	22	17	--	--	--	<.040	--	--	--
82-09-23	13	--	19	24	18	--	--	--	<.040	--	--	--
82-06-02	10	--	24	8.0	20	--	--	--	<.040	--	--	--
82-09-20	12	1.0	22	12	16	--	.20	<.002	<.100	--	--	--

DATE OF SAMPLE	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
82-02-24	--
82-06-03	<.10
82-09-22	<.10
82-02-24	--
82-09-21	<.10
82-03-31	--
82-07-06	<.10
82-09-23	<.10
82-06-02	<.10
82-09-20	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Department of Health Services.

STATION NUMBER	LOCAL IDENT- I- FIER	GEO- LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	HARD- NESS (MG/L AS CACO3)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG)
410344072193201	S 51178 SHELTER ISLAND	112GLCLU	82-05-26	45	120	6.4	--	9.4	4.2
		112GLCLU	82-06-01	45	136	6.0	--	--	--
		112GLCLU	82-09-20	45	123	6.4	--	10	4.2
410424072192801	S 51179 SHELTER ISLAND	112GLCLU	82-06-02	58	--	6.5	--	--	--
		112GLCLU	82-09-20	58	130	6.5	--	9.6	5.7
410452072200201	S 51180 SHELTER ISLAND	112GLCLU	82-02-10	51	200	6.4	--	9.6	3.4
		112GLCLU	82-06-03	51	136	6.5	--	--	--
		112GLCLU	82-09-21	51	136	6.3	--	--	--
410534072194601	S 51181 SHELTER ISLAND	112GLCLU	82-02-03	62	190	5.6	--	14	6.0
		112GLCLU	82-06-01	62	175	5.7	--	--	--
		112GLCLU	82-09-21	62	192	6.1	--	--	--

DATE OF SAMPLE	SODIUM, TOTAL RECOV- ERABLE (MG/L AS NA)	POTAS- SIUM, TOTAL RECOV- ERABLE (MG/L AS K)	ALKA- LINITY FIELD (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, TOTAL (MG/L AS F)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHATE, TOTAL (MG/L AS PO4)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)
82-05-26	8.6	1.2	21	22	12	--	.30	.004	.100	--	--	--
82-06-01	9.1	--	24	21	10	--	--	--	<.040	--	--	--
82-09-20	9.2	1.2	25	21	13	--	.60	<.002	<.100	--	--	--
82-06-02	6.6	--	22	25	10	--	--	--	<.040	--	--	--
82-09-20	7.7	1.1	19	33	11	--	.20	<.002	<.100	--	--	--
82-02-10	30	2.0	22	8.3	44	--	1.8	.006	<.200	--	--	--
82-06-03	9.4	--	25	7.0	19	--	--	--	.050	--	--	--
82-09-21	12	--	28	9.0	22	--	--	--	.050	--	--	--
82-02-03	12	1.6	13	35	16	--	4.5	<.002	<.200	--	--	--
82-06-01	11	--	16	33	15	--	--	--	<.040	--	--	--
82-09-21	13	--	14	39	17	--	--	--	<.040	--	--	--

DATE OF SAMPLE	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L)
82-03-09	--
82-05-26	--
82-06-01	<.10
82-09-20	--
82-06-02	<.10
82-09-20	--
82-02-10	--
82-06-03	<.10
82-09-21	<.10
82-02-03	--
82-03-10	--
82-06-01	<.10
82-09-21	<.10

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Department of Health Services.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	HARD-NESS (MG/L AS CACO3)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
410602072195801	S 51182 SHELTER ISLAND	112GLCLU	82-02-03	64	31	5.6	--	1.1	.9
		112GLCLU	82-06-03	64	29	5.3	--	--	--
		112GLCLU	82-09-21	64	66	6.1	--	--	--
410334072172701	S 51183 SHELTER ISLAND	112GLCLU	82-05-26	39	88	6.5	--	6.4	2.6
		112GLCLU	82-09-23	39	100	6.3	--	--	--
410147072184101	S 51184	112GLCLU	82-03-24	32	640	5.8	--	--	--
		112GLCLU	82-06-29	32	641	5.6	--	--	--
		112GLCLU	82-08-25	32	732	5.6	--	--	--
410132072184601	S 51185	112GLCLU	82-03-24	33	96	5.6	--	--	--
		112GLCLU	82-06-29	33	90	5.5	--	--	--
		112GLCLU	82-08-25	33	122	5.6	--	--	--
410047072184701	S 51186	112GLCLU	82-03-24	39	150	5.7	--	--	--
		112GLCLU	82-06-29	39	146	5.4	--	--	--
		112GLCLU	82-08-25	39	181	6.1	--	--	--

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHATE, TOTAL (MG/L AS PO4)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)
82-02-03	2.6	.7	4	2.2	3.5	--	.20	<.002	<.200	--	--	--
82-06-03	2.5	--	6	<4.0	<4.0	--	--	--	<.040	--	--	--
82-09-21	6.5	--	12	5.0	11	--	--	--	<.040	--	--	--
82-05-26	8.8	.9	19	9.3	11	--	<.20	<.002	.100	--	--	--
82-09-23	9.7	--	17	10	13	--	--	--	<.040	--	--	--
82-03-24	136	--	16	50	178	--	--	--	<.040	--	--	--
82-06-29	147	--	15	43	118	--	--	--	<.040	--	--	--
82-08-25	125	--	18	51	198	--	--	--	<.040	--	--	--
82-03-24	9.3	--	8	9.0	14	--	--	--	<.040	--	--	--
82-06-29	9.4	--	7	9.0	17	--	--	--	<.040	--	--	--
82-08-25	12	--	11	9.0	19	--	--	--	<.040	--	--	--
82-03-24	15	--	15	18	18	--	--	--	<.040	--	--	--
82-06-29	13	--	14	18	21	--	--	--	<.040	--	--	--
82-08-25	18	--	24	15	30	--	--	--	<.040	--	--	--

DATE OF SAMPLE	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
82-02-03	--
82-06-03	<.10
82-09-21	<.10
82-05-26	--
82-09-23	<.10
82-03-24	<.10
82-06-29	<.10
82-08-25	<.10
82-03-24	<.10
82-06-29	<.10
82-08-25	<.10
82-03-24	<.10
82-06-29	<.10
82-08-25	<.10

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Department of Health Services.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	HARD-NESS (MG/L AS CACO3)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
404715073034401	S 51228	112GLCLU	82-04-20	25	230	7.1	--	34	2.7
405716072413301	S 51566	112GLCLU	82-05-25	87	325	6.3	--	60	12
405653072422501	S 51567 CENTERVILLE	112GLCLU	82-05-03	92	372	5.6	--	--	--
		112GLCLU	82-07-12	92	391	5.3	--	--	--
		112GLCLU	82-09-27	92	360	6.0	--	--	--
405808072385401	S 51568 NORTHVILLE	112GLCLU	82-05-20	68	360	5.8	--	--	--
		112GLCLU	82-09-16	68	457	5.7	--	--	--
405805072403701	S 51571	112GLCLU	82-05-24	106	215	5.9	--	31	6.6
		112GLCLU	82-09-16	106	220	5.8	--	--	--
405542072445302	S 51572	112GLCLU	82-09-16	41	228	5.2	--	--	--
405512072395201	S 51573	112GLCLU	82-05-24	88	110	8.3	--	17	2.2

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHATE, TOTAL (MG/L AS PO4)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)
82-04-20	17	6.6	61	18	10	--	13	.211	.100	--	--	--
82-05-25	10	3.6	13	140	25	--	12	.006	.100	--	--	--
82-05-03	7.2	--	0	117	29	--	--	--	<.040	--	--	--
82-07-12	9.0	--	5	132	35	--	--	--	<.040	--	--	--
82-09-27	9.6	--	14	147	37	--	--	--	.180	--	--	--
82-05-20	53	--	14	52	56	--	--	--	<.040	--	--	--
82-09-16	75	--	0	31	135	--	--	--	<.040	--	--	--
82-05-24	6.9	3.1	8	72	18	--	5.2	.003	<.100	--	--	--
82-09-16	7.2	--	8	66	16	--	--	--	<.040	--	--	--
82-09-16	26	--	7	46	20	--	9.9	--	.090	--	--	--
82-05-24	5.6	.9	60	1.2	5.6	--	<.20	<.002	.400	--	--	--

DATE OF SAMPLE	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
82-04-20	--
82-05-25	--
82-05-03	<.10
82-07-12	<.10
82-09-27	<.10
82-05-20	<.10
82-09-16	<.10
82-05-24	--
82-09-16	<.10
82-09-16	<.10
82-05-24	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Department of Health Services.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	HARD-NESS (MG/L AS CACO3)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
405544072411801	S 51575 RIVERHEAD	112GLCLU	82-05-03	32	198	6.3	--	--	--
		112GLCLU	82-07-12	32	306	5.8	--	--	--
		112GLCLU	82-09-28	32	220	6.4	--	--	--
405559072425201	S 51576 RIVERHEAD	112GLCLU	82-05-03	67	144	5.5	--	--	--
		112GLCLU	82-07-12	67	130	5.2	--	--	--
		112GLCLU	82-09-27	67	112	5.8	--	--	--
405630072442001	S 51577 BAITING HOLLOW	112GLCLU	82-04-29	93	359	5.5	--	--	--
		112GLCLU	82-07-14	93	316	5.0	--	--	--
		112GLCLU	82-09-24	93	260	8.1	--	--	--
405721072453701	S 51578 BAITING HOLLOW	112GLCLU	82-04-29	126	216	5.0	--	--	--
		112GLCLU	82-07-14	126	206	5.1	--	--	--
		112GLCLU	82-09-23	126	195	6.0	--	--	--
405542072463001	S 51579 CALVERTON	112GLCLU	82-04-29	85	79	5.0	--	--	--
		112GLCLU	82-07-20	85	74	5.6	--	--	--

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHATE, TOTAL (MG/L AS PO4)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)
82-05-03	29	--	40	8.0	40	--	--	--	.320	--	--	--
82-07-12	46	--	49	18	82	--	--	--	.390	--	--	--
82-09-28	39	--	38	10	56	--	--	--	.430	--	--	--
82-05-03	6.1	--	8	30	9.0	--	--	--	<.040	--	--	--
82-07-12	4.2	--	6	32	9.0	--	--	--	<.040	--	--	--
82-09-27	4.0	--	9	28	7.0	--	--	--	<.040	--	--	--
82-04-29	6.0	--	8	100	22	--	14	--	.040	--	--	--
82-07-14	6.5	--	4	104	21	--	--	--	<.040	--	--	--
82-09-24	6.1	--	17	100	20	--	--	--	2.58	--	--	--
82-04-29	5.5	--	7	66	14	--	--	--	.040	--	--	--
82-07-14	6.1	--	5	67	15	--	--	--	<.040	--	--	--
82-09-23	6.1	--	8	67	15	--	--	--	<.040	--	--	--
82-04-29	4.4	--	11	18	12	--	--	--	<.040	--	--	--
82-07-20	5.1	--	9	15	6.0	--	--	--	<.040	--	--	--

DATE OF SAMPLE	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
82-05-03	<.10
82-07-12	<.10
82-09-28	<.10
82-05-03	<.10
82-07-12	<.10
82-09-27	<.10
82-04-29	<.10
82-07-14	<.10
82-09-24	<.10
82-04-29	<.10
82-07-14	<.10
82-09-23	<.10
82-04-29	<.10
82-07-20	<.10

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Department of Health Services.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	HARD-NESS (MG/L AS CACO3)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
405714072470901	S 51580 WADING RIVER	112GLCLU	82-05-12	135	148	5.3	--	--	--
		112GLCLU	82-07-20	135	164	5.1	--	--	--
		112GLCLU	82-09-22	135	150	5.7	--	16	4.8
405722072342001	S 51581	112GLCLU	82-02-01	43	450	--	--	--	--
		112GLCLU	82-05-17	43	355	5.3	--	--	--
		112GLCLU	82-05-18	43	290	5.5	--	50	10
		112GLCLU	82-08-03	43	340	5.5	--	52	11
		112GLCLU	82-09-02	43	365	6.1	--	--	--
405853072353901	S 51582 NORTHVILLE	112GLCLU	82-08-03	82	260	5.9	--	43	7.2
		112GLCLU	82-09-02	82	296	6.3	--	--	--

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHATE, TOTAL (MG/L AS PO4)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)
82-05-12	7.9	--	8	28	13	--	--	--	<.040	--	--	--
82-07-20	7.8	--	5	36	13	--	--	--	<.040	--	--	--
82-09-22	8.8	3.5	8	32	14	--	6.3	<.002	.100	--	--	--
82-02-01	--	--	--	--	24	--	6.7	.006	<.200	--	--	--
82-05-17	10	--	0	132	24	--	--	--	<.040	--	--	--
82-05-18	10	5.0	9	130	23	--	6.9	.007	.070	--	--	--
82-08-03	--	5.0	9	140	31	--	15	<.002	<.100	--	--	--
82-09-02	13	--	15	138	27	--	--	--	.070	--	--	--
82-08-03	10	4.8	11	91	13	--	12	<.002	<.100	--	--	--
82-09-02	6.5	--	14	90	15	--	--	--	<.040	--	--	--

DATE OF SAMPLE	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
82-05-12	<.10
82-07-20	<.10
82-09-22	--
82-02-01	--
82-05-17	<.10
82-05-18	--
82-08-03	--
82-09-02	<.10
82-08-03	--
82-09-02	<.10

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Department of Health Services.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	HARD-NESS (MG/L AS CACO3)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
405500072495201	S 51583	112GLCLU	81-12-06	49	59	5.4	16	--	--
		112GLCLU	81-12-08	49	--	--	16	--	--
		112GLCLU	82-03-05	49	--	--	20	--	--
		112GLCLU	82-05-05	49	55	5.5	--	--	--
		112GLCLU	82-06-04	49	--	--	21	--	--
		112GLCLU	82-07-01	49	51	5.0	--	--	--
		112GLCLU	82-09-21	49	53	5.8	--	1.8	1.2
		112GLCLU	82-09-22	49	--	--	17	--	--
405757072491801	S 51584	112GLCLU	82-09-21	140	94	6.2	--	6.0	3.0
405642072491901	S 51586 WADING RIVER	112GLCLU	82-05-12	99	71	5.1	--	--	--
		112GLCLU	82-07-20	99	87	5.0	--	--	--
		112GLCLU	82-09-22	99	78	5.7	--	5.4	2.0
405809072370901	S 51587 NORTHVILLE	112GLCLU	82-05-18	78	220	6.0	--	28	5.4
		112GLCLU	82-08-03	78	230	5.5	--	28	5.5
		112GLCLU	82-09-09	78	260	5.7	--	--	--

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHATE, TOTAL (MG/L AS PO4)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)
81-12-06	--	--	7	5.3	6.5	--	.62	.010	<.010	<.10	180	50
81-12-08	--	--	7	5.3	6.5	--	.62	.010	<.010	<.10	180	50
82-03-05	--	--	7	6.2	9.0	--	.76	<.010	<.010	<.10	1170	70
82-05-05	4.2	--	7	5.0	7.0	--	--	--	<.040	--	--	--
82-06-04	--	--	10	5.5	7.0	--	.38	<.010	<.010	<.10	670	90
82-07-01	5.1	--	5	<4.0	8.0	--	--	--	<.040	--	--	--
82-09-21	6.1	1.4	6	6.6	7.9	--	.60	<.002	<.100	--	--	--
82-09-22	--	--	6	6.8	5.0	--	.56	<.010	<.010	<.10	680	30
82-09-21	9.2	.9	15	14	14	--	.40	<.002	.200	--	--	--
82-05-12	2.9	--	5	10	7.0	--	--	--	<.040	--	--	--
82-07-20	4.1	--	3	20	9.0	--	--	--	<.040	--	--	--
82-09-22	4.9	1.8	5	14	6.9	--	2.5	<.002	<.100	--	--	--
82-05-18	10	14	18	41	20	--	10	.148	.080	--	--	--
82-08-03	11	14	9	42	22	--	10	.010	.200	--	--	--
82-09-09	9.7	--	10	46	22	--	--	--	<.040	--	--	--

DATE OF SAMPLE	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
81-12-06	<.02
81-12-08	<.02
82-03-05	<.02
82-05-05	<.10
82-06-04	<.02
82-07-01	<.10
82-09-21	--
82-09-22	<.02
82-09-21	--
82-05-12	<.10
82-07-20	<.10
82-09-22	--
82-05-18	--
82-08-03	--
82-09-09	<.10

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Department of Health Services.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	HARD-NESS (MG/L AS CACO3)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
405634072380501	S 51588	112GLCLU	82-05-17	58	332	5.5	--	--	--
		112GLCLU	82-05-20	58	300	6.1	--	--	--
		112GLCLU	82-09-02	58	240	7.0	--	--	--
405704072361401	S 51589 JAMESPORT	112GLCLU	82-05-17	41	269	5.0	--	--	--
		112GLCLU	82-05-18	41	235	5.1	--	32	5.6
		112GLCLU	82-08-03	41	245	4.9	--	32	5.4
		112GLCLU	82-09-02	41	269	--	--	--	--
405418072470601	S 51591 CALVERTON	112GLCLU	82-05-05	29	60	5.7	--	--	--

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHATE, TOTAL (MG/L AS PO4)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)
82-05-17	12	--	25	78	29	--	--	--	.820	--	--	--
82-05-20	11	--	18	83	33	--	--	--	.570	--	--	--
82-09-02	5.8	--	59	42	17	--	--	--	2.05	--	--	--
82-05-17	10	--	5	69	22	--	--	--	<.040	--	--	--
82-05-18	8.4	6.0	4	66	22	--	9.3	.003	.060	--	--	--
82-08-03	14	6.8	3	69	30	--	7.6	<.002	<.100	--	--	--
82-09-02	10	--	11	63	27	--	--	--	.060	--	--	--
82-05-05	3.7	--	16	5.0	7.0	--	--	--	.190	--	--	--

DATE OF SAMPLE	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
82-05-17	<.10
82-05-20	<.10
82-09-02	.10
82-05-17	<.10
82-05-18	--
82-08-03	--
82-09-02	<.10
82-05-05	<.10

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Department of Health Services.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	HARD-NESS (MG/L AS CACO3)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
405349072494101	S 51592	112GLCLU	81-12-06	39	114	5.2	15	--	--
		112GLCLU	81-12-08	39	--	--	15	--	--
		112GLCLU	82-03-05	39	--	--	20	--	--
		112GLCLU	82-04-07	39	95	5.5	--	4.3	1.5
		112GLCLU	82-05-05	39	107	6.4	--	--	--
		112GLCLU	82-06-04	39	--	--	25	--	--
		112GLCLU	82-07-07	39	132	5.0	--	--	--
		112GLCLU	82-09-22	39	--	--	22	--	--
		112GLCLU	82-09-28	39	128	5.5	--	--	--
405229072592501	S 51626 LA BONNE VIE S.T	112GLCLU	82-04-14	41	320	7.5	--	20	3.8
405351072553301	S 51979 COVENTRY MAN. S.	112GLCLU	82-04-13	48	46	5.6	--	1.6	1.4
405123072543901	S 51980	112GLCLU	82-04-15	35	73	6.2	--	--	--

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHATE, TOTAL (MG/L AS PO4)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)
81-12-06	--	--	7	10	22	--	.54	.010	<.010	<.10	200	20
81-12-08	--	--	7	10	22	--	.54	<.010	<.010	<.10	200	20
82-03-05	--	--	6	7.2	24	--	.34	<.010	<.010	<.10	670	100
82-04-07	14	1.0	3	7.9	24	--	<.20	<.002	<.100	--	--	--
82-05-05	15	--	4	7.0	26	--	--	--	<.040	--	--	--
82-06-04	--	--	5	7.6	30	--	.21	<.010	<.010	<.10	310	60
82-07-07	20	--	3	4.0	34	--	--	--	<.040	--	--	--
82-09-22	--	--	7	8.7	34	--	.29	<.010	<.010	<.10	310	40
82-09-28	21	--	4	7.0	34	--	--	--	<.040	--	--	--
82-04-14	44	9.2	136	19	36	--	.50	.015	8.90	--	--	--
82-04-13	4.0	1.3	4	3.8	6.9	--	1.0	<.002	<.100	--	--	--
82-04-15	6.9	--	24	7.0	6.0	--	--	--	<.040	--	--	--

DATE OF SAMPLE	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
81-12-06	<.02
81-12-08	<.02
82-03-05	<.02
82-04-07	--
82-05-05	<.10
82-06-04	<.02
82-07-07	<.10
82-09-22	<.02
82-09-28	<.10
82-04-14	--
82-04-13	--
82-04-15	<.10

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Department of Health Services.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	HARD-NESS (MG/L AS CACO3)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
410400072202001	S 52050 SHELTER ISLAND	112GLCLU	82-03-31	62	135	5.9	--	11	3.8
		112GLCLU	82-07-06	62	129	5.7	--	--	--
		112GLCLU	82-09-20	62	316	5.6	--	--	--
410516072200901	S 52084 SHELTER ISLAND	112GLCLU	82-02-10	73	102	6.3	--	6.6	2.8
		112GLCLU	82-06-01	73	110	5.9	--	--	--
		112GLCLU	82-09-21	73	97	6.5	--	--	--
404357072515701	S 52162	211LLYD	82-07-15	1695	125	6.3	--	--	--
404357072515702	S 52163	211MGTY	82-07-15	1305	110	7.8	--	--	--
404357072515703	S 52164	211MGTY	82-07-15	735	86	6.5	--	--	--
405542072445301	S 52383 CALVERTON	112GLCLU	82-05-03	61	100	5.2	--	--	--
		112GLCLU	82-07-08	61	100	5.0	--	--	--
405512072395202	S 52449	112GLCLU	82-05-24	38	120	6.6	--	14	2.9

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHATE, TOTAL (MG/L AS PO4)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)
82-03-31	11	3.3	34	16	11	--	1.8	.002	.070	--	--	--
82-07-06	12	--	25	14	14	--	--	--	<.040	--	--	--
82-09-20	27	--	20	23	35	--	--	--	<.040	--	--	--
82-02-10	8.5	1.6	23	9.7	9.8	--	.20	.003	<.200	--	--	--
82-06-01	6.0	--	19	12	10	--	--	--	<.040	--	--	--
82-09-21	6.1	--	18	12	12	--	--	--	<.040	--	--	--
82-07-15	21	--	40	6.0	14	--	--	--	<.040	--	--	--
82-07-15	25	--	53	<4.0	8.0	--	--	--	<.040	--	--	--
82-07-15	13	--	46	<4.0	5.0	--	--	--	<.040	--	--	--
82-05-03	6.0	--	6	7.0	9.0	--	--	--	.060	--	--	--
82-07-08	10	--	4	8.0	8.0	--	--	--	<.040	--	--	--
82-05-24	7.9	2.0	26	17	9.8	--	1.8	.004	<.100	--	--	--

DATE OF SAMPLE	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
82-03-31	--
82-07-06	<.10
82-09-20	<.10
82-02-10	--
82-06-01	<.10
82-09-21	<.10
82-07-15	<.10
82-07-15	<.10
82-07-15	<.10
82-05-03	<.10
82-07-08	<.10
82-05-24	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Department of Health Services.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	HARD-NESS (MG/L AS CACO3)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
405513072505401	S 52886	112GLCLU	82-09-21	66	125	5.7	--	13	3.6
410057072315501	S 53322 E. MATTITUCK	112GLCLU	82-05-27	99	270	6.2	--	--	--
410702072221601	S 53323	112GLCLU	82-06-10	50	225	6.2	--	--	--
410104072303301	S 53324 E. MATTITUCK	112GLCLU	82-02-02	60	420	5.8	--	42	8.8
		112GLCLU	82-06-07	60	320	6.5	--	34	8.0
		112GLCLU	82-08-23	60	356	5.2	--	--	--
410007072331901	S 53325 MATTITUCK	112GLCLU	82-02-01	66	560	5.4	--	84	18
		112GLCLU	82-05-25	66	370	6.1	--	68	15
		112GLCLU	82-08-19	66	432	5.3	--	--	--
410229072295701	S 53326 OREGON	112GLCLU	82-02-02	89	--	6.5	--	2.2	1.0
		112GLCLU	82-08-24	89	283	5.8	--	--	--
410022072293601	S 53327 CUTCHOGUE	112GLCLU	82-02-04	42	245	5.5	--	--	--
		112GLCLU	82-06-07	42	205	6.0	--	24	6.0
		112GLCLU	82-08-23	42	203	5.2	--	--	--

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHATE, TOTAL (MG/L AS PO4)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)
82-09-21	7.2	1.8	12	26	14	--	2.9	<.002	.100	--	--	--
82-05-27	13	--	11	102	24	--	--	--	<.040	--	--	--
82-06-10	23	--	17	30	37	--	--	--	<.040	--	--	--
82-02-02	37	6.0	9	96	61	--	6.8	.050	.070	--	--	--
82-06-07	36	5.5	14	63	62	--	9.3	.010	<.100	--	--	--
82-08-23	3.7	--	7	55	74	--	--	--	<.040	--	--	--
82-02-01	16	4.0	11	190	44	--	14	.003	.080	--	--	--
82-05-25	15	3.7	15	180	38	--	12	.004	.100	--	--	--
82-08-19	15	--	13	150	36	--	--	--	<.040	--	--	--
82-02-02	5.0	7.0	23	7.0	6.7	--	<.02	.008	.090	--	--	--
82-08-24	13	--	29	80	26	--	--	--	.560	--	--	--
82-02-04	15	--	77	46	28	--	--	--	<.040	--	--	--
82-06-07	12	3.3	12	43	24	--	5.8	.003	<.100	--	--	--
82-08-23	11	--	0	48	20	--	--	--	<.040	--	--	--

DATE OF SAMPLE	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
82-09-21	--
82-05-27	<.10
82-06-10	<.10
82-02-02	--
82-06-07	--
82-08-23	<.10
82-02-01	--
82-05-25	--
82-08-19	<.10
82-02-02	--
82-08-24	<.10
82-02-04	<.10
82-06-07	--
82-08-23	<.10

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Department of Health Services.

STATION NUMBER	LOCAL IDENT- I- FIER	GEO- LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	HARD- NESS (MG/L AS CACO3)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG)
410234072243601	S 53328	112GLCLU	82-06-08	39	150	6.3	--	16	2.6
		112GLCLU	82-08-30	39	180	5.5	--	16	2.8
410140072261601	S 53329 E. CUTCHOGUE	112GLCLU	82-01-28	71	370	5.6	--	--	--
		112GLCLU	82-06-07	71	310	6.9	--	42	12
		112GLCLU	82-08-24	71	327	5.5	--	--	--
410706072203201	S 53330 E. MARION	112GLCLU	82-06-10	51	320	6.3	--	--	--
		112GLCLU	82-09-13	51	300	6.0	--	22	7.0
410753072205501	S 53331 E. MARION	112GLCLU	82-06-10	68	145	6.1	--	--	--
405843072324301	S 53332 MATTITUCK	112GLCLU	82-02-01	43	175	5.6	--	14	2.5
		112GLCLU	82-08-19	43	110	5.8	--	--	--
405924072342301	S 53333 MATTITUCK	112GLCLU	82-05-25	72	84	6.6	--	9.2	1.5
		112GLCLU	82-08-19	72	84	5.5	--	--	--
405959072303901	S 53334 E. MATTITUCK	112GLCLU	82-05-27	51	120	6.2	--	--	--
		112GLCLU	82-08-23	51	143	5.5	--	--	--

DATE OF SAMPLE	SODIUM, TOTAL RECOV- ERABLE (MG/L AS NA)	POTAS- SIUM, TOTAL RECOV- ERABLE (MG/L AS K)	ALKA- LINITY FIELD (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, TOTAL (MG/L AS F)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHATE, TOTAL (MG/L AS PO4)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)
82-06-08	11	4.9	16	23	12	--	5.1	.001	.200	--	--	--
82-08-30	13	5.6	9	24	20	--	7.0	.003	.300	--	--	--
82-01-28	17	--	16	97	31	--	--	--	<.040	--	--	--
82-06-07	14	3.3	24	99	32	--	9.4	.040	.100	--	--	--
82-08-24	16	--	13	94	34	--	--	--	<.040	--	--	--
82-06-10	49	--	29	60	33	--	--	--	<.040	--	--	--
82-09-13	36	2.9	28	41	40	--	8.8	<.002	<.100	--	--	--
82-06-10	19	--	18	13	25	--	--	--	<.040	--	--	--
82-02-01	16	4.7	8	15	18	--	7.6	.007	.170	--	--	--
82-08-19	7.9	--	9	34	11	--	--	--	<.040	--	--	--
82-05-25	6.0	2.0	18	9.4	7.5	--	.80	.004	<.100	--	--	--
82-08-19	5.3	--	14	28	9.0	--	--	--	<.040	--	--	--
82-05-27	5.3	--	12	30	11	--	2.3	--	.190	--	--	--
82-08-23	7.7	--	12	30	14	--	--	--	.110	--	--	--

DATE OF SAMPLE	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L)
82-06-08	--
82-08-30	--
82-01-28	<.10
82-06-07	--
82-08-24	<.10
82-06-10	<.10
82-09-13	--
82-06-10	<.10
82-02-01	--
82-08-19	<.10
82-05-25	--
82-08-19	<.10
82-05-27	<.10
82-08-23	<.10

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Department of Health Services.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	HARD-NESS (MG/L AS CACO3)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
410304072262701	S 53335	112GLCLU	82-02-02	35	350	5.9	--	46	7.2
		112GLCLU	82-06-17	35	260	6.1	--	--	--
		112GLCLU	82-08-23	35	295	5.3	--	--	--
410017072315501	S 53336 E. MATTITUCK	112GLCLU	82-02-04	40	300	5.2	--	--	--
		112GLCLU	82-05-27	40	225	5.6	--	--	--
		112GLCLU	82-08-19	40	192	5.1	--	--	--
410906072171301	S 53337	112GLCLU	82-06-09	50	440	7.2	--	42	28
		112GLCLU	82-09-13	50	530	6.6	--	48	30
410412072261301	S 53338	112GLCLU	82-06-16	63	225	6.4	--	24	3.7
		112GLCLU	82-08-26	63	242	5.5	--	--	--
410004072264001	S 53537	112GLCLU	82-02-04	65	--	6.4	--	--	--
		112GLCLU	82-06-08	65	--	7.4	--	--	--
		112GLCLU	82-08-24	65	21500	6.5	--	--	--
410604072222201	S 53539	112GLCLU	82-06-16	35	170	5.8	--	22	3.2
		112GLCLU	82-08-30	35	185	5.7	--	19	3.0

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHATE, TOTAL (MG/L AS PO4)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)
82-02-02	14	8.0	11	110	19	--	8.6	.005	.080	--	--	--
82-06-17	9.1	--	13	88	18	--	--	--	<.040	--	--	--
82-08-23	8.6	--	11	79	23	--	--	--	<.040	--	--	--
82-02-04	20	--	6	38	50	--	--	--	<.040	--	--	--
82-05-27	21	--	8	33	46	--	--	--	<.040	--	--	--
82-08-19	20	--	0	46	29	--	--	--	<.040	--	--	--
82-06-09	42	3.4	23	140	98	--	4.4	.150	.100	--	--	--
82-09-13	35	3.1	26	160	71	--	8.1	.010	<.100	--	--	--
82-06-16	20	13	19	40	27	--	7.6	.008	.050	--	--	--
82-08-26	17	--	10	41	27	--	--	--	<.040	--	--	--
82-02-04	6000	--	173	1920	14000	--	--	--	6.00	--	--	--
82-06-08	--	--	167	--	--	--	.20	.005	9.10	--	--	--
82-08-24	8000	--	161	2000	14500	--	--	--	5.60	--	--	--
82-06-16	12	1.2	17	33	14	--	4.6	.002	<.050	--	--	--
82-08-30	11	1.0	17	29	17	--	4.9	.004	.100	--	--	--

DATE OF SAMPLE	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
82-02-02	--
82-06-17	<.10
82-08-23	<.10
82-02-04	<.10
82-05-27	<.10
82-08-19	<.10
82-06-09	--
82-09-13	--
82-06-16	--
82-08-26	<.10
82-02-04	<.10
82-06-08	--
82-08-24	<.10
82-06-16	--
82-08-30	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Department of Health Services.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	HARD-NESS (MG/L AS CACO3)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
405231073011301	S 57691 BROOKWD. COMM. S	112GLCLU	82-04-13	47	225	6.6	--	12	2.7
405842072164901	S 58961	112GLCLU	81-10-27	131	61	5.8	--	1.9	1.2
		112GLCLU	82-08-16	131	54	6.0	--	--	--

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHATE, TOTAL (MG/L AS PO4)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)
82-04-13	32	6.2	28	33	31	--	.50	.006	1.00	--	--	--
81-10-27	6.0	.5	--	5.7	7.7	.0	.00	.003	.050	--	--	--
82-08-16	7.0	--	6	<4.0	10	--	--	--	<.040	--	--	--

DATE OF SAMPLE	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
82-04-13	--
81-10-27	--
82-08-16	<.10

Geological unit (aquifer):
112GLCLU - Upper Glacial Aquifer, Pleistocene age.
112GRDR - Gardiners Clay, Pleistocene age.
112JMCG - Jameco Gravel, Pleistocene age.
211LLYD - Llyod Aquifer, Cretaceous age.
211MGTY - Magothy Aquifer, Cretaceous age.
211RNCF - Raritan Confining Unit, Cretaceous age.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected by Suffolk County Department of Health Services and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH LAB (UNITS)	HARD-NESS (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)
404703073264205	S 29778	211MGTY	81-12-08	168	148	5.8	45	7.1	5.6
		211MGTY	82-03-05	168	140	6.3	50	6.1	5.2
		211MGTY	82-06-03	168	152	6.2	52	6.8	5.5
		211MGTY	82-09-22	168	160	6.5	48	6.9	5.6
404920072484602	S 46913	112GLCLU	81-12-08	20	42	6.2	16	3.4	.8
		112GLCLU	82-03-05	20	93	6.8	26	2.5	.4
		112GLCLU	82-06-03	20	34	6.5	20	2.1	.4
		112GLCLU	82-09-22	20	110	6.7	29	7.8	1.6
404917072484501	S 46914	112GLCLU	81-12-08	34	190	5.8	15	4.7	1.0
		112GLCLU	82-03-05	34	67	6.5	45	2.2	.5
		112GLCLU	82-06-04	34	76	6.1	15	1.7	.4
		112GLCLU	82-09-22	34	30	6.6	9	1.0	.2
405240072491402	S 47226	112GLCLU	81-12-08	27	73	5.5	20	5.6	1.1
		112GLCLU	82-03-05	27	51	6.3	45	4.1	.7
		112GLCLU	82-06-09	27	61	6.0	26	5.2	.8
		112GLCLU	82-09-22	27	55	6.4	23	5.0	.8

DATE OF SAMPLE	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)
81-12-08	7.4	2.2	16	19	13	<.1	80	3.5	3.55	<.010	<.010	<.010
82-03-05	7.8	2.0	13	15	15	<.1	80	3.3	3.32	<.010	<.010	.070
82-06-03	8.1	2.2	16	16	15	<.1	62	2.9	--	<.010	--	<.010
82-09-22	7.9	2.0	16	15	15	<.1	79	3.6	3.63	<.010	<.010	<.010
81-12-08	2.6	2.1	14	6.0	1.0	<.1	20	.18	.16	<.010	<.010	<.010
82-03-05	16	.9	20	3.0	15	<.1	54	.05	<.05	<.010	<.010	<.010
82-06-03	3.1	.9	16	.9	1.0	<.1	7	<.05	--	<.010	--	<.010
82-09-22	7.7	3.5	26	8.8	6.5	<.1	52	1.6	1.55	<.010	<.010	<.010
81-12-08	28	2.0	11	6.8	42	<.1	110	1.2	1.20	<.010	<.010	<.010
82-03-05	6.6	.9	5	4.5	13	<.1	29	.06	.06	<.010	<.010	<.010
82-06-04	11	.8	7	5.6	14	<.1	20	.06	--	<.010	--	<.010
82-09-22	3.7	.6	10	2.9	1.5	<.1	19	.14	.10	<.010	<.010	<.010
81-12-08	5.4	.7	18	4.1	6.5	<.1	60	.02	.04	<.010	<.010	<.010
82-03-05	4.5	.5	16	3.8	5.0	<.1	5	<.05	<.05	<.010	<.010	<.010
82-06-09	4.5	.5	20	1.3	5.0	<.1	43	<.05	--	<.010	--	<.010
82-09-22	3.8	.4	20	2.0	5.0	<.1	50	<.05	<.05	<.010	<.010	<.010

DATE OF SAMPLE	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	PHOS-PHATE, TOTAL (MG/L AS PO4)	PHOS-PHATE, ORTHO, DIS-SOLVED (MG/L AS PO4)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
81-12-08	<.010	<.10	--	720	100	20	20	<.02
82-03-05	<.010	<.10	--	160	70	10	<10	<.02
82-06-03	--	<.10	--	1130	100	40	20	<.02
82-09-22	<.010	<.10	<.10	2410	200	50	40	<.02
81-12-08	<.010	<.10	--	490	300	30	20	<.02
82-03-05	<.010	<.10	--	220	160	<10	<10	<.02
82-06-03	--	<.10	--	180	110	30	30	<.02
82-09-22	<.010	<.10	<.10	110	90	20	20	<.02
81-12-08	<.010	<.10	--	1590	380	20	20	<.02
82-03-05	<.010	<.10	--	640	110	10	<10	<.02
82-06-04	--	<.10	--	1000	70	40	<30	<.02
82-09-22	<.010	<.10	<.10	120	50	<20	<20	<.02
81-12-08	<.010	<.10	--	1200	1200	190	190	<.02
82-03-05	<.010	<.10	--	3660	8600	150	150	<.02
82-06-09	--	<.10	--	8600	8900	180	180	<.02
82-09-22	<.010	.18	.31	6900	5800	150	150	<.02

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected by Suffolk County Department of Health Services and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH LAB (UNITS)	HARD-NESS (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)
405240072491401	S 47227	112GLCLU	81-12-08	100	105	7.0	42	40	2.6
		112GLCLU	82-03-05	100	101	7.1	53	12	2.4
		112GLCLU	82-06-04	100	106	7.1	54	12	2.2
		112GLCLU	82-09-22	100	116	7.1	48	13	2.5
405121072490601	S 48946	112GLCLU	81-12-08	41	240	5.5	86	46	6.7
		112GLCLU	82-03-05	41	260	6.1	46	24	8.4
		112GLCLU	82-06-04	41	240	5.8	94	22	6.6
		112GLCLU	82-09-22	41	250	6.4	95	22	8.1
405500072495201	S 51583	112GLCLU	31-12-08	49	59	5.4	16	17	1.4
		112GLCLU	82-03-05	49	68	5.8	20	2.0	1.4
		112GLCLU	82-06-04	49	57	5.8	21	2.0	1.4
		112GLCLU	82-09-22	49	59	6.1	17	1.7	1.2
405349072494101	S 51592	112GLCLU	91-12-08	39	114	5.2	15	21	1.1
		112GLCLU	82-03-05	39	110	6.3	20	3.4	1.3
		112GLCLU	82-06-04	39	132	5.4	25	3.5	1.4
		112GLCLU	82-09-22	39	140	5.8	22	4.1	1.6

DATE OF SAMPLE	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)
81-12-08	4.4	.4	43	3.6	4.5	<.1	70	<.01	.02	.030	.020	<.010
82-03-05	4.5	.4	42	2.8	4.0	<.1	--	<.05	<.05	<.010	<.010	<.010
82-06-04	4.4	.4	45	3.5	4.0	<.1	49	--	<.05	--	<.010	<.010
82-09-22	4.4	.4	45	2.9	5.0	<.1	62	.01	<.05	.090	<.010	<.010
81-12-08	9.6	4.7	10	27	20	<.1	160	9.7	9.75	.010	.010	<.010
82-03-05	8.8	4.6	11	33	18	<.1	172	13	12.8	<.010	<.010	<.010
82-06-04	7.1	4.5	13	34	15	<.1	157	8.5	--	<.010	--	<.010
82-09-22	6.8	4.8	20	37	16	<.1	170	9.0	9.16	.010	<.010	<.010
81-12-08	5.5	1.3	7	5.3	6.5	<.1	40	.62	.64	.010	<.010	<.010
82-03-05	6.9	1.3	7	6.2	9.0	<.1	39	.76	.78	<.010	<.010	<.010
82-06-04	5.3	1.3	10	5.5	7.0	<.1	20	.38	--	<.010	--	<.010
82-09-22	5.4	1.1	6	6.8	5.0	<.1	25	.56	.57	<.010	<.010	<.010
81-12-08	16	.9	7	10	22	<.1	70	.54	.52	<.010	<.010	<.010
32-03-05	14	.9	6	7.2	24	<.1	59	.34	.34	<.010	<.010	<.010
82-06-04	17	.9	5	7.6	30	<.1	61	.21	--	<.010	--	<.010
82-09-22	19	1.2	7	8.7	34	<.1	81	.29	.29	<.010	<.010	<.010

DATE OF SAMPLE	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	PHOS-PHATE, TOTAL (MG/L AS PO4)	PHOS-PHATE, ORTHO, DIS-SOLVED (MG/L AS PO4)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
81-12-08	<.010	.40	--	930	1800	280	270	<.02
82-03-05	<.010	.40	--	950	680	270	280	<.02
82-06-04	--	.64	--	680	610	300	280	<.02
82-09-22	<.010	.47	.39	690	660	280	280	<.02
81-12-08	<.010	<.10	--	290	350	110	120	<.02
82-03-05	<.010	<.10	--	950	360	170	170	<.02
82-06-04	--	<.10	--	500	90	130	110	<.02
82-09-22	<.010	<.10	<.10	770	270	180	180	<.02
81-12-08	<.010	<.10	--	180	190	50	30	<.02
82-03-05	<.010	<.10	--	1170	270	70	60	<.02
82-06-04	--	<.10	--	670	330	90	80	<.02
82-09-22	<.010	<.10	<.10	680	100	30	40	<.02
81-12-08	<.010	<.10	--	200	160	20	20	<.02
82-03-05	<.010	<.10	--	870	360	100	110	<.02
82-06-04	--	<.10	--	310	240	60	50	<.02
82-09-22	<.010	<.10	<.10	310	220	40	40	<.02

WATER QUALITY DATA, SEPTEMBER 1980 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER		LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH LAB (UNITS)	TUR-BID-ITY (NTU)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
404454073033001	S	871 SCWA LAKEVIEW AV	112GLCLU	80-11-30	110	110	6.3	.10	5.8	1.8
			112GLCLU	81-05-25	110	82	5.9	.50	5.5	1.9
			112GLCLU	81-09-27	110	94	5.7	.25	4.5	1.6
			112GLCLU	82-01-02	110	96	5.4	.15	5.2	1.5
			112GLCLU	82-01-20	110	--	--	--	--	--
			112GLCLU	82-02-17	110	--	--	--	--	--
			112GLCLU	82-03-18	110	--	--	--	--	--
			112GLCLU	82-04-12	110	78	6.2	.12	4.1	1.4
			112GLCLU	82-04-13	110	--	--	--	--	--
			112GLCLU	82-05-11	110	--	--	--	--	--
			112GLCLU	82-07-14	110	--	--	--	--	--
			112GLCLU	82-07-26	110	95	6.0	.14	4.9	1.6
			112GLCLU	82-08-23	110	--	--	--	--	--
			112GLCLU	82-09-28	110	--	--	--	--	--

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY [illegible] (MG/L AS CACO3)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)
80-11-30	9.4	1.1	15	13	--	.19	<.010	.340	--	<5	<20	--
81-05-25	9.5	1.2	13	12	--	1.0	<.010	.400	--	--	--	--
81-09-27	9.1	1.1	13	12	.1	.98	<.010	.750	--	--	--	--
82-01-02	8.8	1.1	11	11	--	1.0	<.010	.470	--	--	--	--
82-01-20	--	--	--	--	--	--	--	--	--	--	--	--
82-02-17	--	--	--	--	--	--	--	--	--	--	--	--
82-03-18	--	--	--	--	--	--	--	--	--	--	--	--
82-04-12	7.6	1.1	11	10	<.1	.85	<.010	.220	--	--	--	--
82-04-13	--	--	--	--	--	--	--	--	--	--	--	--
82-05-11	--	--	--	--	--	--	--	--	--	--	--	--
82-07-14	--	--	--	--	--	--	--	--	--	--	--	--
82-07-26	8.5	1.2	13	9.5	--	1.3	<.010	.300	--	<5	--	--
82-08-23	--	--	--	--	--	--	--	--	--	--	--	--
82-09-28	--	--	--	--	--	--	--	--	--	--	--	--

DATE OF SAMPLE	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
80-11-30	--	30	<10	--	620	--	--	--	190
81-05-25	--	40	<30	--	680	--	<2	--	<10
81-09-27	--	30	40	--	650	--	--	--	150
82-01-02	--	--	<30	--	570	--	<2	--	60
82-01-20	--	--	<30	--	550	--	--	--	--
82-02-17	--	--	170	--	220	--	--	--	--
82-03-18	--	--	40	--	570	--	--	--	--
82-04-12	--	30	50	--	560	--	--	--	70
82-04-13	--	--	30	--	540	--	--	--	--
82-05-11	--	--	<30	--	580	--	--	--	--
82-07-14	--	--	80	--	580	--	--	--	--
82-07-26	--	20	60	--	570	--	--	--	<10
82-08-23	--	--	80	--	660	--	--	--	--
82-09-28	--	--	30	--	650	--	--	--	--

WATER QUALITY DATA, SEPTEMBER 1980 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH LAB (UNITS)	TUR-BID-ITY (NTU)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
404454073033002	S 872 SCWA LAKEVIEW AV	112GLCLU	80-11-30	107	111	6.5	.10	5.5	1.7
		112GLCLU	81-05-25	107	94	6.1	.13	5.6	1.9
		112GLCLU	82-01-02	107	110	5.7	.20	5.6	1.9
		112GLCLU	82-01-19	107	--	--	--	--	--
		112GLCLU	82-02-03	107	--	--	--	--	--
		112GLCLU	82-03-18	107	--	--	--	--	--
		112GLCLU	82-04-12	107	108	6.2	.32	6.6	2.0
		112GLCLU	82-04-13	107	--	--	--	--	--
		112GLCLU	82-05-11	107	--	--	--	--	--
		112GLCLU	82-07-13	107	12	6.3	.30	7.6	2.0
		112GLCLU	82-07-14	107	--	--	--	--	--
		112GLCLU	82-08-01	107	--	--	--	--	--
		112GLCLU	82-09-28	107	--	--	--	--	--

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)
80-11-30	8.4	1.2	16	13	--	.19	<.010	.490	--	<5	<20	--
81-05-25	8.4	1.3	13	10	--	1.3	<.010	.620	--	--	--	--
82-01-02	8.8	1.4	16	10	--	1.5	<.010	.250	--	--	--	--
82-01-19	--	--	--	--	--	--	--	--	--	--	--	--
82-02-03	--	--	--	--	--	--	--	--	--	--	--	--
82-03-18	--	--	--	--	--	--	--	--	--	--	--	--
82-04-12	11	1.6	20	13	<.1	1.7	<.010	.430	.180	--	--	--
82-04-13	--	--	--	--	--	--	--	--	--	--	--	--
82-05-11	--	--	--	--	--	--	--	--	--	--	--	--
82-07-13	10	1.3	16	11	--	1.7	<.010	.500	--	<5	--	--
82-07-14	--	--	--	--	--	--	--	--	--	--	--	--
82-08-01	--	--	--	--	--	--	--	--	--	--	--	--
82-09-28	--	--	--	--	--	--	--	--	--	--	--	--

DATE OF SAMPLE	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
80-11-30	--	20	<10	--	530	--	--	--	80
81-05-25	--	30	<30	--	690	--	<2	--	30
82-01-02	--	250	30	--	730	--	<2	--	30
82-01-19	--	--	<30	--	840	--	--	--	--
82-02-03	--	--	<30	--	800	--	--	--	--
82-03-18	--	--	150	--	940	--	--	--	--
82-04-12	--	40	50	--	1080	--	--	--	150
82-04-13	--	--	60	--	--	--	--	--	--
82-05-11	--	--	<30	--	880	--	--	--	--
82-07-13	--	30	70	--	890	--	--	--	330
82-07-14	--	--	90	--	900	--	--	--	--
82-08-01	--	--	50	--	790	--	--	--	--
82-09-28	--	--	30	--	850	--	--	--	--

WATER QUALITY DATA, SEPTEMBER 1980 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENT- I- FIER	GEO- LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE- CIFIC CON- DUCT- ANCE LAB (UMHOS)	PH LAB (UNITS)	TUR- BID- ITY (NTU)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG)
404551072561601	S 1331 SCWA HEAD OF NEC	112GLCLU	80-09-02	60	125	--	.12	8.2	2.0
		112GLCLU	81-02-08	60	90	5.5	.16	5.7	1.7
		112GLCLU	81-07-27	60	130	5.4	1.1	8.6	2.1
		112GLCLU	82-01-02	60	142	5.5	.20	10	2.2
		112GLCLU	82-04-09	60	153	6.0	.20	12	2.2
		112GLCLU	82-07-14	60	138	5.6	.45	8.4	2.2

DATE OF SAMPLE	SODIUM, TOTAL RECOV- ERABLE (MG/L AS NA)	POTAS- SIUM, TOTAL RECOV- ERABLE (MG/L AS K)	ALKA- LINITY FIELD (MG/L AS CACO3)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, TOTAL (MG/L AS F)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)
80-09-02	10	1.4	11	14	--	2.5	<.010	<.010	--	<5	<20	--
81-02-08	6.0	.9	11	8.0	--	.88	<.010	<.010	--	--	--	--
81-07-27	11	1.6	10	15	<.1	3.1	<.010	<.010	--	--	--	--
82-01-02	12	1.7	9	16	--	3.0	<.010	<.010	--	--	--	--
82-04-09	12	2.0	13	17	<.1	3.3	<.010	.650	--	--	--	--
82-07-14	13	1.9	11	14	--	3.7	<.010	<.010	--	<5	--	--

DATE OF SAMPLE	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	SELE- NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)
80-09-02	--	<10	<10	--	<10	--	--	--	140
81-02-08	--	40	40	--	<10	--	<2	--	50
81-07-27	--	150	<30	--	40	--	--	--	100
82-01-02	--	30	30	--	<10	--	<2	--	70
82-04-09	--	20	60	--	30	--	--	--	270
82-07-14	--	60	50	--	70	--	--	--	170

WATER QUALITY DATA, SEPTEMBER 1980 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH LAB (UNITS)	TUR-BID-ITY (NTU)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
405412072232901	S 1340 SCWA LONG SPRING	112GLCLU	80-09-08	87	250	--	.17	22	5.4
		112GLCLU	81-01-19	87	231	5.9	.10	24	5.3
		112GLCLU	81-08-10	87	220	5.5	.10	21	5.2
		112GLCLU	82-01-02	87	225	5.4	.17	21	4.9
		112GLCLU	82-01-12	87	--	--	--	--	--
		112GLCLU	82-02-10	87	--	--	--	--	--
		112GLCLU	82-03-10	87	--	--	--	--	--
		112GLCLU	82-03-11	87	--	--	--	--	--
		112GLCLU	82-04-01	87	--	--	--	--	--
		112GLCLU	82-04-14	87	--	--	--	--	--
		112GLCLU	82-04-22	87	205	5.7	.25	21	5.0
		112GLCLU	82-05-12	87	--	--	--	--	--
		112GLCLU	82-06-02	87	--	--	--	--	--
		112GLCLU	82-07-13	87	--	--	--	--	--
		112GLCLU	82-07-27	87	--	5.5	.19	12	--
		112GLCLU	82-08-11	87	--	--	--	--	--
		112GLCLU	82-09-01	87	--	--	--	--	--

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)
80-09-08	11	3.3	14	21	--	5.6	<.010	<.010	--	--	40	--
81-01-19	10	3.3	11	20	--	5.4	<.010	<.010	--	--	--	--
81-08-10	10	3.6	11	21	--	5.9	<.010	<.010	--	--	--	--
82-01-02	10	3.9	11	20	--	5.6	<.010	<.010	--	--	--	--
82-01-12	--	--	--	18	--	5.6	--	--	--	--	--	--
82-02-10	--	--	--	19	--	5.6	--	--	--	--	--	--
82-03-10	--	--	--	20	--	9.1	--	--	--	--	--	--
82-03-11	--	--	--	24	--	5.3	--	--	--	--	--	--
82-04-01	--	--	--	23	--	5.3	--	--	--	--	--	--
82-04-14	--	--	--	19	--	5.2	--	--	--	--	--	--
82-04-22	9.7	3.7	8	19	<.1	5.4	<.010	<.010	--	--	--	--
82-05-12	--	--	--	18	--	4.5	--	--	--	--	--	--
82-06-02	--	--	--	18	--	3.4	--	--	--	--	--	--
82-07-13	--	--	--	19	--	6.2	--	--	--	--	--	--
82-07-27	10	3.6	10	17	--	3.8	.010	.100	--	<5	--	--
82-08-11	--	--	--	16	--	3.7	--	--	--	--	--	--
82-09-01	--	--	--	15	--	3.0	--	--	--	--	--	--

DATE OF SAMPLE	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
80-09-08	--	120	40	--	30	--	--	--	20
81-01-19	--	--	30	--	30	--	<7	--	130
81-08-10	--	100	<30	--	20	--	--	--	20
82-01-02	--	30	40	--	<10	--	<2	--	20
82-01-12	--	--	--	--	--	--	--	--	--
82-02-10	--	--	--	--	--	--	--	--	--
82-03-10	--	--	--	--	--	--	--	--	--
82-03-11	--	--	--	--	--	--	--	--	--
82-04-01	--	--	--	--	--	--	--	--	--
82-04-14	--	--	--	--	--	--	--	--	--
82-04-22	--	40	60	--	20	--	--	--	20
82-05-12	--	--	--	--	--	--	--	--	--
82-06-02	--	--	--	--	--	--	--	--	--
82-07-13	--	--	--	--	--	--	--	--	--
82-07-27	--	140	<30	--	10	--	--	--	50
82-08-11	--	--	--	--	--	--	--	--	--
82-09-01	--	--	--	--	--	--	--	--	--

WATER QUALITY DATA, SEPTEMBER 1980 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER		LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH LAB (UNITS)	TUR-BID-ITY (NTU)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
405411072232701	S	T341 SCWA LONG SPRING	112GLCLU	80-09-08	99	367	--	.25	38	8.5
			112GLCLU	81-01-14	99	362	5.8	.09	40	9.6
			112GLCLU	81-08-18	99	310	5.6	.11	39	9.3
			112GLCLU	81-12-07	99	328	5.8	.12	39	10.0
			112GLCLU	82-01-14	99	--	--	--	--	--
			112GLCLU	82-02-01	99	--	--	--	--	--
			112GLCLU	82-04-01	99	--	--	--	--	--
			112GLCLU	82-04-13	99	--	--	--	--	--
			112GLCLU	82-04-22	99	305	5.7	.17	39	9.9
			112GLCLU	82-05-12	99	--	--	--	--	--
			112GLCLU	82-06-02	99	--	--	--	--	--
			112GLCLU	82-07-13	99	--	--	--	--	--
			112GLCLU	82-08-01	99	340	5.8	.17	39	10.0
			112GLCLU	82-08-11	99	--	--	--	--	--
			112GLCLU	82-09-01	99	--	--	--	--	--

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)
80-09-08	9.2	2.8	12	22	--	9.3	<.010	<.010	--	--	40	--
81-01-14	9.3	2.8	13	24	--	6.8	<.010	<.010	--	--	--	--
81-08-18	6.7	2.6	13	23	--	8.4	<.010	<.010	--	--	--	--
81-12-07	6.6	2.8	12	21	--	6.7	<.010	<.010	--	--	--	--
82-01-14	--	--	--	22	--	8.4	--	--	--	--	--	--
82-02-01	--	--	--	22	--	8.5	--	--	--	--	--	--
82-04-01	--	--	--	13	--	8.8	--	--	--	--	--	--
82-04-13	--	--	--	21	--	8.9	--	--	--	--	--	--
82-04-22	8.7	2.9	12	22	<.1	8.6	<.010	<.010	--	--	--	--
82-05-12	--	--	--	22	--	8.7	--	--	--	--	--	--
82-06-02	--	--	--	21	--	6.2	--	--	--	--	--	--
82-07-13	--	--	--	23	--	8.0	--	--	--	--	--	--
82-08-01	6.8	2.9	12	24	--	8.7	<.010	<.050	--	<5	--	--
82-08-11	--	--	--	24	--	8.5	--	--	--	--	--	--
82-09-01	--	--	--	24	--	8.8	--	--	--	--	--	--

DATE OF SAMPLE	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
80-09-08	--	90	60	--	10	--	--	--	110
81-01-14	--	50	<30	--	<10	--	<8	--	<10
81-08-18	--	40	<30	--	<10	--	--	--	60
81-12-07	--	30	30	--	10	--	<2	--	30
82-01-14	--	--	--	--	--	--	--	--	--
82-02-01	--	--	--	--	--	--	--	--	--
82-04-01	--	--	--	--	--	--	--	--	--
82-04-13	--	--	--	--	--	--	--	--	--
82-04-22	--	90	50	--	<10	--	--	--	10
82-05-12	--	--	--	--	--	--	--	--	--
82-06-02	--	--	--	--	--	--	--	--	--
82-07-13	--	--	--	--	--	--	--	--	--
82-08-01	--	20	<30	--	10	--	--	--	--
82-08-11	--	--	--	--	--	--	--	--	--
82-09-01	--	--	--	--	--	--	--	--	--

WATER QUALITY DATA, SEPTEMBER 1980 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH LAB (UNITS)	TUR-BID-ITY (NTU)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
405720072122701	S 2405 SCWA BRIDGEHAMPT	112GLCLU	81-08-12	90	170	5.6	.14	8.9	5.3
		112GLCLU	82-01-20	90	--	--	--	--	--
		112GLCLU	82-02-11	90	--	--	--	--	--
		112GLCLU	82-02-17	90	155	5.5	.11	8.8	5.3
		112GLCLU	82-03-11	90	--	--	--	--	--
		112GLCLU	32-04-16	90	--	--	--	--	--
		112GLCLU	82-05-25	90	175	6.1	.11	8.4	5.0
		112GLCLU	82-06-10	90	--	--	--	--	--
		112GLCLU	82-07-14	90	--	--	--	--	--
		112GLCLU	82-08-22	90	157	5.8	.10	8.6	4.6
		112GLCLU	82-09-09	90	--	--	--	--	--
405719072122802	S 2415 SCWA BRIDGEHAMPT	112GLCLU	80-10-20	90	165	6.0	.16	10	5.5

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)
81-08-12	12	1.4	16	19	--	3.9	<.010	<.010	--	--	--	--
82-01-20	--	--	--	--	--	4.2	--	--	--	--	--	--
82-02-11	--	--	--	--	--	4.1	--	--	--	--	--	--
82-02-17	14	1.5	14	18	--	5.8	<.010	<.010	--	--	--	--
82-03-11	--	--	--	--	--	3.8	--	--	--	--	--	--
82-04-16	--	--	--	--	--	3.8	--	--	--	--	--	--
82-05-25	13	1.4	14	19	<.1	3.8	<.010	<.010	--	--	--	--
82-06-10	--	--	--	--	--	3.2	--	--	--	--	--	--
82-07-14	--	--	--	--	--	3.8	--	--	--	--	--	--
82-08-22	12	1.4	13	13	--	3.5	<.010	<.010	--	<5	--	--
82-09-09	--	--	--	--	--	3.5	--	--	--	--	--	--
80-10-20	16	1.3	14	18	--	5.6	<.010	<.010	--	--	40	--

DATE OF SAMPLE	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
81-08-12	--	130	<30	--	30	--	--	--	20
82-01-20	--	--	--	--	--	--	--	--	--
82-02-11	--	--	--	--	--	--	--	--	--
82-02-17	10	90	<30	--	<20	--	<2	--	30
82-03-11	--	--	--	--	--	--	--	--	--
82-04-16	--	--	--	--	--	--	--	--	--
82-05-25	--	60	40	--	30	--	--	--	20
82-06-10	--	--	--	--	--	--	--	--	--
82-07-14	--	--	--	--	--	--	--	--	--
82-08-22	--	70	<30	--	30	--	--	--	<20
82-09-09	--	--	--	--	--	--	--	--	--
80-10-20	--	200	<10	--	40	--	--	--	70

WATER QUALITY DATA, SEPTEMBER 1980 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER		LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE LAB (UMHOS)	PH LAB (UNITS)	TURBIDITY (NTU)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG)
405721072123001	S	2570 SCWA BRIDGEHAMPT	112GLCLU	80-10-20	88	--	6.0	.34	10	4.7
			112GLCLU	81-03-04	88	240	5.7	.30	13	6.6
			112GLCLU	81-08-12	88	220	5.6	.19	12	6.1
			112GLCLU	82-01-20	88	--	--	--	--	--
			112GLCLU	82-02-11	88	--	--	--	--	--
			112GLCLU	82-02-17	88	230	5.4	.13	12	6.0
			112GLCLU	82-03-11	88	--	--	--	--	--
			112GLCLU	82-04-16	88	--	--	--	--	--
			112GLCLU	82-05-24	88	240	6.0	.17	11	5.8
			112GLCLU	82-06-10	88	--	--	--	--	--
			112GLCLU	82-07-14	88	--	--	--	--	--
			112GLCLU	82-08-05	88	--	--	--	--	--
			112GLCLU	82-08-28	88	210	5.8	.08	11	5.3
			112GLCLU	82-09-09	88	--	--	--	--	--

DATE OF SAMPLE	SODIUM, TOTAL RECOVERABLE (MG/L AS NA)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K)	ALKALINITY FIELD (MG/L AS CACO3)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, TOTAL (MG/L AS F)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)
80-10-20	12	1.2	14	17	--	4.1	<.010	<.010	--	--	40	--
81-03-04	17	1.5	15	26	--	4.8	<.050	<.050	--	--	--	--
81-08-12	18	1.6	20	25	--	4.8	<.010	.080	--	--	--	--
82-01-20	--	--	--	--	--	6.0	--	--	--	--	--	--
82-02-11	--	--	--	--	--	5.6	--	--	--	--	--	--
82-02-17	22	1.8	18	23	--	5.4	<.010	<.010	--	--	--	--
82-03-11	--	--	--	--	--	5.3	--	--	--	--	--	--
82-04-16	--	--	--	--	--	4.9	--	--	--	--	--	--
82-05-24	22	1.7	17	27	<.1	5.0	<.010	<.010	--	--	--	--
82-06-10	--	--	--	--	--	4.2	--	--	--	--	--	--
82-07-14	--	--	--	--	--	4.4	--	--	--	--	--	--
82-08-05	--	--	--	--	--	4.5	--	--	--	--	--	--
82-08-28	19	1.6	17	24	--	4.8	<.010	<.010	--	<5	--	--
82-09-09	--	--	--	--	--	4.8	--	--	--	--	--	--

DATE OF SAMPLE	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	SELENIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOVERABLE (UG/L AS AG)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)
80-10-20	--	130	<10	--	30	--	--	--	60
81-03-04	--	260	<30	--	60	--	<8	--	<20
81-08-12	--	150	<30	--	50	--	--	--	<20
82-01-20	--	--	--	--	--	--	--	--	--
82-02-11	--	--	--	--	--	--	--	--	--
82-02-17	--	160	--	--	70	--	<2	--	220
82-03-11	--	--	--	--	--	--	--	--	--
82-04-16	--	--	--	--	--	--	--	--	690
82-05-24	--	130	40	--	60	--	--	--	--
82-06-10	--	--	--	--	--	--	--	--	--
82-07-14	--	--	--	--	--	--	--	--	--
82-08-05	--	--	--	--	--	--	--	--	--
82-08-28	--	100	<30	--	60	--	--	--	480
82-09-09	--	--	--	--	--	--	--	--	--

WATER QUALITY DATA, SEPTEMBER 1980 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH LAB (UNITS)	TUR-BID-ITY (NTU)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
405322073211001	S 2978 SCWA WASHINGTON	211MGTY	80-12-16	240	42	6.0	.10	1.8	.6
		211MGTY	81-05-05	240	35	5.5	.16	2.4	.7
		211MGTY	81-09-14	240	39	5.5	.11	2.1	.7
		211MGTY	82-03-16	240	44	6.0	.14	1.9	.7
410310071570901	S 3615 SCWA FLAMINGO AV	112GLCLU	80-10-16	111	250	6.5	.54	8.8	4.8
		112GLCLU	81-03-02	111	275	6.6	.55	9.6	5.3
		112GLCLU	81-08-12	111	225	6.2	.24	8.1	5.0
		112GLCLU	82-02-15	111	280	6.4	.36	9.3	5.9
		112GLCLU	82-05-26	111	310	6.3	1.2	10	6.5
		112GLCLU	82-08-23	111	335	6.4	.34	10	6.7

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)
80-12-16	3.6	.4	9	5.5	--	.74	<.010	<.010	--	<5	<20	--
81-05-05	3.9	.4	6	7.5	--	1.1	<.010	<.010	--	--	--	--
81-09-14	4.2	.5	6	6.5	<.1	1.3	<.010	<.010	--	--	--	--
82-03-16	4.2	.5	7	4.5	--	1.2	<.010	<.010	--	--	--	--
80-10-16	27	1.5	29	43	--	1.3	<.010	<.010	--	--	40	--
81-03-02	31	1.6	30	49	<.1	1.3	<.010	.050	--	--	--	--
81-08-12	26	1.6	33	42	--	1.4	<.010	<.010	--	--	--	--
82-02-15	36	2.0	32	57	--	1.2	<.010	<.010	--	--	--	--
82-05-26	41	2.0	30	67	<.1	1.3	<.010	<.010	--	--	--	--
82-08-23	46	2.2	35	76	--	1.4	<.010	<.010	--	<5	--	--

DATE OF SAMPLE	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
80-12-16	--	40	<10	--	<10	--	--	--	20
81-05-05	--	40	60	--	<20	--	<2	--	--
81-09-14	--	50	<30	--	<10	--	--	--	10
82-03-16	--	30	<30	--	<10	--	<2	--	30
80-10-16	--	30	40	--	50	--	--	--	<10
81-03-02	--	40	70	--	50	--	<8	--	60
81-08-12	--	40	40	--	30	--	--	--	30
82-02-15	--	30	100	--	40	--	<2	--	80
82-05-26	--	10	140	--	80	--	--	--	10
82-08-23	--	40	140	--	100	--	--	--	60

WATER QUALITY DATA, SEPTEMBER 1980 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENT- I- FIER	GEO- LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE- CIFIC CON- DUCT- ANCE LAB (UMHOS)	PH LAB (UNITS)	TUR- BID- ITY (NTU)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG)
404426073073301	S 3813 SCWA OAKDALE 1	112GLCLU	80-12-01	83	141	6.2	.07	9.6	2.5
		112GLCLU	81-05-18	83	125	5.7	.24	9.2	3.0
		112GLCLU	81-09-13	83	131	6.0	.15	7.7	2.7
		112GLCLU	81-12-15	83	128	5.8	.17	6.4	2.4
		112GLCLU	82-01-19	83	--	--	--	--	--
		112GLCLU	82-02-17	83	--	--	--	--	--
		112GLCLU	82-04-13	83	145	6.2	.12	9.2	2.8
		112GLCLU	82-04-14	83	--	--	--	--	--
		112GLCLU	82-05-25	83	--	--	--	--	--
		112GLCLU	82-06-08	83	--	--	--	--	--
		112GLCLU	82-07-12	83	140	6.1	.16	7.9	2.3
		112GLCLU	82-07-13	83	--	--	--	--	--
		112GLCLU	82-08-23	83	--	--	--	--	--
		112GLCLU	82-09-17	83	--	--	--	--	--

DATE OF SAMPLE	SODIUM, TOTAL RECOV- ERABLE (MG/L AS NA)	POTAS- SIUM, TOTAL RECOV- ERABLE (MG/L AS K)	ALKA- LINITY FIELD (MG/L AS CACO3)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, TOTAL (MG/L AS F)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)
80-12-01	11	1.9	22	14	--	.72	<.010	.490	--	--	<20	--
81-05-18	11	1.8	20	14	--	2.4	<.010	.500	--	--	--	--
81-09-13	11	2.1	21	14	<.1	2.2	<.010	.880	--	--	--	--
81-12-15	10	1.9	19	12	--	3.0	<.010	.150	--	--	--	--
82-01-19	--	--	--	--	--	--	--	--	--	--	--	--
82-02-17	--	--	--	--	--	--	--	--	--	--	--	--
82-04-13	11	2.1	18	15	<.1	3.2	<.010	.150	--	--	--	--
82-04-14	--	--	--	--	--	--	--	--	--	--	--	--
82-05-25	--	--	--	--	--	--	--	--	--	--	--	--
82-06-08	--	--	--	--	--	--	--	--	--	--	--	--
82-07-12	12	2.0	18	17	--	2.3	<.010	.120	--	<5	--	--
82-07-13	--	--	--	--	--	--	--	--	--	--	--	--
82-08-23	--	--	--	--	--	--	--	--	--	--	--	--
82-09-17	--	--	--	--	--	--	--	--	--	--	--	--

DATE OF SAMPLE	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	SELE- NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)
80-12-01	--	20	120	--	210	--	--	--	--
81-05-18	--	30	50	--	190	--	<2	--	<20
81-09-13	--	<10	<30	--	200	--	--	--	<10
81-12-15	--	20	70	--	170	--	<2	--	<20
82-01-19	--	--	--	--	160	--	--	--	--
82-02-17	--	--	--	--	160	--	--	--	--
82-04-13	--	20	<30	--	140	--	--	--	<20
82-04-14	--	--	--	--	160	--	--	--	--
82-05-25	--	--	--	--	130	--	--	--	--
82-06-08	--	--	--	--	130	--	--	--	--
82-07-12	--	30	40	--	150	--	--	--	90
82-07-13	--	--	--	--	130	--	--	--	--
82-08-23	--	--	--	--	150	--	--	--	--
82-09-17	--	--	--	--	190	--	--	--	--

WATER QUALITY DATA, SEPTEMBER 1980 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH LAB (UNITS)	TUR-BID-ITY (NTU)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
404426073073302	S 3814 SCWA OAKDALE 3	112GLCLU	80-12-02	90	135	6.4	.11	9.4	2.4
		112GLCLU	81-05-22	90	112	5.6	.09	10	2.9
		112GLCLU	81-09-14	90	139	5.8	.15	9.0	2.5
		112GLCLU	81-12-27	90	128	5.5	.17	7.2	2.5
		112GLCLU	82-01-20	90	--	--	--	--	--
		112GLCLU	82-02-03	90	--	--	--	--	--
		112GLCLU	82-03-16	90	--	--	--	--	--
		112GLCLU	82-04-11	90	115	6.5	.29	7.4	2.3
		112GLCLU	82-05-11	90	--	--	--	--	--
		112GLCLU	82-06-10	90	--	--	--	--	--
		112GLCLU	82-07-13	90	130	6.3	.20	8.1	2.6
		112GLCLU	82-08-23	90	--	--	--	--	--
		112GLCLU	82-09-20	90	--	--	--	--	--

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)
80-12-02	10	1.6	18	13	--	1.5	<.010	.270	--	--	<20	--
81-05-22	9.2	1.5	16	13	--	2.6	<.010	.190	--	--	--	--
81-09-14	10	1.9	18	13	<.1	3.3	<.010	.470	--	--	--	--
81-12-27	9.8	1.8	18	11	--	3.1	<.010	<.010	--	--	--	--
82-01-20	--	--	--	--	--	--	--	--	--	--	--	--
82-02-03	--	--	--	--	--	--	--	--	--	--	--	--
82-03-16	--	--	--	--	--	--	--	--	--	--	--	--
82-04-11	8.8	1.5	20	9.5	<.1	2.7	<.010	.100	--	--	--	--
82-05-11	--	--	--	--	--	--	--	--	--	--	--	--
82-06-10	--	--	--	--	--	--	--	--	--	--	--	--
82-07-13	9.5	1.8	16	12	--	2.9	<.010	.120	--	<5	--	--
82-08-23	--	--	--	--	--	--	--	--	--	--	--	--
82-09-20	--	--	--	--	--	--	--	--	--	--	--	--

DATE OF SAMPLE	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
80-12-02	--	<10	<10	--	130	--	--	--	--
81-05-22	--	<20	<30	--	120	--	<2	--	--
81-09-14	--	20	<30	--	170	--	--	--	20
81-12-27	--	20	40	--	140	--	<2	--	<20
82-01-20	--	--	--	--	160	--	--	--	--
82-02-03	--	--	--	--	140	--	--	--	--
82-03-16	--	--	--	--	130	--	--	--	--
82-04-11	--	80	<30	--	170	--	--	--	90
82-05-11	--	--	--	--	160	--	--	--	--
82-06-10	--	--	--	--	150	--	--	--	--
82-07-13	--	30	30	--	140	--	--	--	40
82-08-23	--	--	--	--	170	--	--	--	--
82-09-20	--	--	--	--	200	--	--	--	--

QUALITY OF GROUND WATER

WATER QUALITY DATA, SEPTEMBER 1980 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENT- I- FIER	GEO- LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE- CIFIC CON- DUCT- ANCE LAB (UMHOS)	PH LAB (UNITS)	TUR- BID- ITY (NTU)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG)
404426073073303	S 3815 SCWA OAKDALE 2	112GLCLU	80-12-01	83	117	6.3	.08	7.4	2.7
		112GLCLU	81-05-18	83	119	5.9	.22	9.1	3.4
		112GLCLU	81-09-13	83	106	6.0	.25	7.2	2.8
		112GLCLU	81-12-16	83	111	5.6	.08	5.5	2.8
		112GLCLU	82-01-20	83	--	--	--	--	--
		112GLCLU	82-02-17	83	--	--	--	--	--
		112GLCLU	82-04-13	83	117	6.2	.12	7.3	2.9
		112GLCLU	82-04-14	83	--	--	--	--	--
		112GLCLU	82-05-25	83	--	--	--	--	--
		112GLCLU	82-06-08	83	--	--	--	--	--
		112GLCLU	82-07-13	83	120	6.3	.19	8.6	3.0
		112GLCLU	82-08-26	83	--	--	--	--	--
		112GLCLU	82-09-17	83	--	--	--	--	--

DATE OF SAMPLE	SODIUM, TOTAL RECOV- ERABLE (MG/L AS NA)	POTAS- SIUM, TOTAL RECOV- ERABLE (MG/L AS K)	ALKA- LINITY FIELD (MG/L AS CACO3)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, TOTAL (MG/L AS F)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)
80-12-01	8.5	1.3	--	11	--	1.0	<.010	<.010	--	--	<20	--
81-05-18	6.8	1.4	22	9.0	--	2.7	<.010	<.010	--	--	--	--
81-09-13	8.7	1.4	23	10	<.1	2.6	<.010	.140	--	--	--	--
81-12-16	8.5	1.5	21	8.0	--	2.6	<.010	<.010	--	--	--	--
82-01-20	--	--	--	--	--	--	--	--	--	--	--	--
82-02-17	--	--	--	--	--	--	--	--	--	--	--	--
82-04-13	8.3	1.5	23	9.0	--	2.5	<.010	<.010	.060	--	--	--
82-04-14	--	--	--	--	--	--	--	--	--	--	--	--
82-05-25	--	--	--	--	--	--	--	--	--	--	--	--
82-06-08	--	--	--	--	--	--	--	--	--	--	--	--
82-07-13	8.6	1.6	20	7.5	--	2.6	<.010	<.010	--	<5	--	--
82-08-26	--	--	--	--	--	--	--	--	--	--	--	--
82-09-17	--	--	--	--	--	--	--	--	--	--	--	--

DATE OF SAMPLE	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	SELE- NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)
80-12-01	--	<10	<10	--	90	--	--	--	<10
81-05-18	--	<20	--	--	110	--	<2	--	160
81-09-13	--	<10	<30	--	<10	--	--	--	<10
81-12-16	--	20	30	--	70	--	<2	--	<20
82-01-20	--	--	--	--	70	--	--	--	--
82-02-17	--	--	--	--	70	--	--	--	--
82-04-13	--	20	<30	--	90	--	--	--	<20
82-04-14	--	--	--	--	90	--	--	--	--
82-05-25	--	--	--	--	90	--	--	--	--
82-06-08	--	--	--	--	70	--	--	--	--
82-07-13	--	20	30	--	100	--	--	--	10
82-08-26	--	--	--	--	110	--	--	--	--
82-09-17	--	--	--	--	140	--	--	--	--

WATER QUALITY DATA, SEPTEMBER 1980 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH LAB (UNITS)	TUR-BID-ITY (NTU)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
405032073162801	S 4184 SCWA WALTER CT.	112GLCLU	80-10-01	162	310	5.9	.12	23	6.0
		112GLCLU	81-02-05	162	282	6.0	.10	20	6.0
		112GLCLU	81-08-04	162	270	5.5	.13	20	5.7
		112GLCLU	82-01-03	162	--	--	--	--	--
		112GLCLU	82-01-20	162	275	5.5	.09	20	8.7
		112GLCLU	82-02-08	162	--	--	--	--	--
		112GLCLU	82-03-06	162	--	--	--	--	--
		112GLCLU	82-04-04	162	--	--	--	--	--
		112GLCLU	82-04-25	162	290	5.5	.14	19	5.5
		112GLCLU	82-05-06	162	--	--	--	--	--
		112GLCLU	82-06-07	162	--	--	--	--	--
		112GLCLU	82-07-08	162	--	--	--	--	--
		112GLCLU	82-08-05	162	--	--	--	--	--
		112GLCLU	82-09-09	162	--	--	--	--	--

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)
80-10-01	21	3.5	17	34	--	10	<.010	<.010	--	<5	90	--
81-02-05	21	2.4	19	40	--	5.1	<.010	<.010	--	--	--	--
81-08-04	22	3.0	16	31	<.1	9.2	.010	<.050	--	--	--	--
82-01-03	--	--	--	37	--	8.2	--	--	--	--	--	--
82-01-20	24	2.9	16	37	--	7.6	<.010	<.010	--	--	--	--
82-02-08	--	--	--	39	--	8.3	--	--	--	--	--	--
82-03-04	--	--	--	37	--	8.9	--	--	--	--	--	--
82-04-06	--	--	--	38	--	8.5	--	--	--	--	--	--
82-04-25	23	3.1	17	37	<.1	8.2	<.010	<.010	--	--	--	--
82-05-06	--	--	--	36	--	8.0	--	--	--	--	--	--
82-06-07	--	--	--	38	--	8.2	--	--	--	--	--	--
82-07-08	--	--	--	37	--	8.6	--	--	--	--	--	--
82-08-05	--	--	--	33	--	9.3	--	--	--	--	--	--
82-09-09	--	--	--	33	--	10	--	--	--	--	--	--

DATE OF SAMPLE	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
80-10-01	--	90	60	--	50	--	--	--	50
81-02-05	--	120	60	--	<10	--	<2	--	130
81-08-04	--	50	<30	--	40	--	--	--	30
82-01-03	--	--	--	--	--	--	--	--	--
82-01-20	--	40	<30	--	<10	--	<2	--	150
82-02-08	--	--	--	--	--	--	--	--	--
82-03-04	--	--	--	--	--	--	--	--	--
82-04-04	--	--	--	--	--	--	--	--	--
82-04-25	--	80	<30	--	20	--	--	--	20
82-05-06	--	--	--	--	--	--	--	--	--
82-06-07	--	--	--	--	--	--	--	--	--
82-07-08	--	--	--	--	--	--	--	--	--
82-08-05	--	--	--	--	--	--	--	--	--
82-09-09	--	--	--	--	--	--	--	--	--

WATER QUALITY DATA, SEPTEMBER 1980 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENT- I- FIER	GEO- LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE- CIFIC CON- DUCT- ANCE LAB (UMHOS)	PH LAB (UNITS)	TUR- BID- ITY (NTU)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG)
405646073041601	S 4372 SCWA W.BROADWAY	112GLCLU	80-10-29	95	61	6.4	.14	4.7	1.5
		112GLCLU	81-03-22	95	103	7.3	.09	8.6	2.7
		112GLCLU	81-08-26	95	59	6.3	.18	4.7	1.5
		112GLCLU	82-01-21	95	62	6.5	.19	5.4	1.5
		112GLCLU	82-05-12	95	64	7.0	.26	4.2	1.3
		112GLCLU	82-08-06	95	62	6.0	.12	4.2	1.4
405840072114501	S 7570 SCWA OAKVIEW HWY	112GLCLU	80-10-16	162	126	6.1	.08	6.4	3.3
		112GLCLU	81-03-04	162	140	6.1	.18	7.0	3.6
		112GLCLU	81-08-17	162	170	6.0	.20	6.9	4.0
		112GLCLU	82-02-16	162	144	5.4	.56	6.0	3.4
		112GLCLU	82-03-28	162	126	6.0	.20	7.0	3.1
		112GLCLU	82-05-24	162	155	6.0	.13	6.1	3.4
		112GLCLU	82-08-26	162	142	6.0	.11	6.1	3.5

DATE OF SAMPLE	SODIUM, TOTAL RECOV- ERABLE (MG/L AS NA)	POTAS- SIUM, TOTAL RECOV- ERABLE (MG/L AS K)	ALKA- LINITY FIELD (MG/L AS CACO3)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, TOTAL (MG/L AS F)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)
80-10-29	4.3	.5	16	5.5	--	.88	<.010	<.010	--	<5	<20	--
81-03-22	6.3	.6	20	8.5	--	1.9	<.010	<.010	--	--	--	--
81-08-26	4.8	.5	18	6.0	<.1	.89	.080	<.010	--	--	--	--
82-01-21	4.7	.5	15	5.5	--	.98	<.010	<.010	--	--	--	--
82-05-12	4.9	.5	13	5.0	<.1	.99	<.010	<.010	--	--	--	--
82-08-06	4.7	.5	17	6.0	--	1.0	<.010	<.010	--	<5	--	--
80-10-16	11	.6	13	19	--	1.6	<.010	<.010	--	--	<20	--
81-03-04	12	.7	13	21	--	1.7	<.050	.000	<.100	--	--	--
81-08-17	15	.7	13	29	--	1.8	<.010	<.010	--	--	--	--
82-02-16	15	.7	13	21	--	1.8	<.010	<.010	--	--	--	--
82-03-28	11	.6	12	16	--	1.5	.010	<.010	--	--	--	--
82-05-24	15	.7	10	25	<.1	1.9	<.010	<.010	--	--	--	--
82-08-26	14	.7	13	23	--	2.1	<.010	<.010	--	<5	--	--

DATE OF SAMPLE	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	SELE- NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)
80-10-29	--	20	<10	--	<10	--	--	--	240
81-03-22	--	20	50	--	<20	--	<4	--	<10
81-08-26	--	<20	40	--	<10	--	--	--	70
82-01-21	--	20	40	--	10	--	<2	--	320
82-05-12	--	20	<30	--	<10	--	--	--	100
82-08-06	--	<20	<30	--	10	--	--	--	40
80-10-16	--	60	<10	--	<10	--	--	--	30
81-03-04	<10	90	50	--	<10	--	<10	--	30
81-08-17	--	50	<30	--	<10	--	--	--	<20
82-02-16	--	60	<30	--	<10	--	<2	--	30
82-03-28	--	110	<10	--	<10	--	--	--	80
82-05-24	--	30	50	--	10	--	--	--	40
82-08-26	--	120	<30	--	<10	--	--	--	30

WATER QUALITY DATA, SEPTEMBER 1980 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENT- I- FIER	GEO- LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE- CIFIC CON- DUCT- ANCE LAB (UMHOS)	PH LAB (UNITS)	TUR- BID- ITY (NTU)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG)
405646073041602	S 8439 SCWA W.BROADWAY	112GLCLU	80-11-24	92	69	6.5	.12	4.4	1.4
		112GLCLU	81-03-23	92	59	6.6	.15	4.6	1.4
		112GLCLU	81-08-24	92	56	6.3	.11	3.9	1.4
		112GLCLU	82-01-21	92	70	5.1	.18	4.1	1.4
		112GLCLU	82-05-12	92	59	6.6	2.5	4.0	1.3
		112GLCLU	82-08-04	92	59	6.3	.12	3.9	1.3

DATE OF SAMPLE	SODIUM, TOTAL RECOV- ERABLE (MG/L AS NA)	POTAS- SIUM, TOTAL RECOV- ERABLE (MG/L AS K)	ALKA- LINITY FIELD (MG/L AS CACO3)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, TOTAL (MG/L AS F)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV- ER.BLE (UG/L AS BA)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)
80-11-24	4.3	.4	17	6.0	--	.40	<.010	.140	--	<5	<20	--
81-03-23	4.2	.4	15	5.0	--	1.1	<.010	<.010	--	--	--	--
81-08-24	4.5	.5	18	5.5	<.1	1.1	.010	<.010	--	--	--	--
82-01-21	4.4	.4	4	6.0	--	1.2	<.010	<.010	--	--	--	--
82-05-12	4.5	.4	13	4.0	<.1	1.1	<.010	<.010	--	--	--	--
82-08-04	4.4	.5	17	5.5	--	1.1	<.010	<.010	--	<5	--	--

DATE OF SAMPLE	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	SELE- NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)
80-11-24	--	40	<10	--	<10	--	--	--	40
81-03-23	--	20	<30	--	<20	--	<4	--	<10
81-08-24	--	<20	40	--	<10	--	--	--	30
82-01-21	--	30	<30	--	<10	--	<2	--	20
82-05-12	--	30	<30	--	<10	--	--	--	100
82-08-04	--	40	<30	--	10	--	--	--	<20

WATER QUALITY DATA, SEPTEMBER 1980 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH LAB (UNITS)	TUR-BID-ITY (NTU)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
404452073033001	S 9893 SCWA LAKEVIEW AV	112GLCLU	80-12-07	96	66	6.3	.24	3.4	1.3
		112GLCLU	81-05-20	96	45	5.9	.16	3.3	1.4
		112GLCLU	81-09-13	96	63	5.8	.14	3.4	1.4
		112GLCLU	82-01-02	96	59	6.0	.26	3.1	1.3
		112GLCLU	82-01-20	96	--	--	--	--	--
		112GLCLU	82-02-10	96	--	--	--	--	--
		112GLCLU	82-03-16	96	--	--	--	--	--
		112GLCLU	82-04-12	96	56	6.2	.16	4.1	1.3
		112GLCLU	82-04-14	96	--	--	--	--	--
		112GLCLU	82-05-26	96	--	--	--	--	--
		112GLCLU	82-07-13	96	70	6.3	.18	3.8	1.5
		112GLCLU	82-08-23	96	--	--	--	--	--
		112GLCLU	82-09-28	96	--	--	--	--	--

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)
80-12-07	5.1	.5	14	6.5	--	.08	<.010	<.010	--	<5	<20	--
81-05-20	5.7	.6	13	7.0	--	.32	<.010	<.010	<.010	--	--	--
81-09-13	5.8	.7	13	5.5	<.1	.37	<.010	<.010	--	--	--	--
82-01-02	5.0	.6	14	4.0	--	.19	<.010	<.010	--	--	--	--
82-01-20	--	--	--	--	--	--	--	--	--	--	--	--
82-02-10	--	--	--	--	--	--	--	--	--	--	--	--
82-03-16	--	--	--	--	--	--	--	--	--	--	--	--
82-04-12	4.9	.6	12	4.0	<.1	.18	<.010	<.010	--	--	--	--
82-04-14	--	--	--	--	--	--	--	--	--	--	--	--
82-05-26	--	--	--	--	--	--	--	--	--	--	--	--
82-07-13	5.9	.6	14	7.5	--	.52	<.010	<.010	--	<5	--	--
82-08-23	--	--	--	--	--	--	--	--	--	--	--	--
82-09-28	--	--	--	--	--	--	--	--	--	--	--	--

DATE OF SAMPLE	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
80-12-07	--	20	<10	--	490	--	--	--	<10
81-05-20	--	30	<30	--	470	--	<2	--	30
81-09-13	--	<20	10	--	450	--	--	--	--
82-01-02	--	70	<30	--	500	--	<2	--	10
82-01-20	--	--	<30	--	530	--	--	--	--
82-02-10	--	--	30	--	510	--	--	--	--
82-03-16	--	--	10	--	490	--	--	--	--
82-04-12	--	30	30	--	540	--	--	--	160
82-04-14	--	--	30	--	840	--	--	--	--
82-05-26	--	--	<30	--	470	--	--	--	--
82-07-13	--	20	30	--	460	--	--	--	20
82-08-23	--	--	<30	--	460	--	--	--	--
82-09-28	--	--	<10	--	520	--	--	--	--

WATER QUALITY DATA, SEPTEMBER 1980 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH LAB (UNITS)	TUR-BID-ITY (NTU)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
405345073203801	S 11105 SCWA RESERVOIR A	112GLCLU	80-12-02	517	136	6.9	.11	10	3.7
		112GLCLU	81-05-19	517	110	6.0	.34	11	3.5
		112GLCLU	81-09-15	517	118	6.1	.15	8.8	3.3
		112GLCLU	82-01-13	517	--	--	--	--	--
		112GLCLU	82-02-01	517	--	--	--	--	--
		112GLCLU	82-03-19	517	--	--	--	--	--
		112GLCLU	82-03-22	517	104	5.9	.33	7.8	2.9
		112GLCLU	82-07-05	517	113	5.7	.17	8.0	2.8
		112GLCLU	82-08-10	517	--	--	--	--	--
		112GLCLU	82-09-28	517	--	--	--	--	--
405054073151001	S 11891 SCWA CORNELL DR	112GLCLU	80-10-22	119	325	--	.28	19	6.0
		112GLCLU	81-02-18	119	325	5.8	.18	19	6.5
		112GLCLU	81-08-25	119	300	6.0	.24	18	5.6
		112GLCLU	82-01-18	119	305	5.5	.15	19	6.5
		112GLCLU	82-01-19	119	--	--	--	--	--
		112GLCLU	82-02-16	119	--	--	--	--	--
		112GLCLU	82-03-03	119	--	--	--	--	--

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)
80-12-02	7.6	.8	21	11	--	4.2	<.010	<.010	--	<5	<20	--
81-05-19	8.8	.9	--	10	--	4.2	<.010	<.010	--	--	--	--
81-09-15	7.5	.9	17	11	<.1	4.3	<.010	<.010	--	--	--	--
82-01-13	--	--	--	--	--	4.2	--	--	--	--	--	--
82-02-01	--	--	--	--	--	4.3	--	--	--	--	--	--
82-03-19	--	--	--	--	--	4.3	--	--	--	--	--	--
82-03-22	7.7	.9	12	10	--	4.4	<.010	<.010	--	--	--	--
82-07-05	7.8	.9	13	10	<.1	4.2	<.010	<.010	--	--	--	--
82-08-10	--	--	--	--	--	4.6	--	--	--	--	--	--
82-09-28	--	--	--	--	--	4.8	--	--	--	--	--	--
80-10-22	26	3.0	19	--	--	8.1	<.010	<.010	--	<5	60	--
81-02-18	28	2.5	18	37	--	7.4	<.010	<.010	--	--	--	--
81-08-25	33	3.0	20	46	--	7.3	<.010	<.010	--	--	--	--
82-01-18	32	2.7	18	46	--	8.0	<.010	<.010	--	--	--	--
82-01-19	--	--	--	47	--	8.0	--	--	--	--	--	--
82-02-16	--	--	--	44	--	8.3	--	--	--	--	--	--
82-03-03	--	--	--	47	--	8.2	--	--	--	--	--	--

DATE OF SAMPLE	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
80-12-02	--	70	30	--	<10	--	--	--	120
81-05-19	--	60	<30	--	30	--	<2	--	150
81-09-15	--	80	50	--	<10	--	--	--	40
82-01-13	--	--	--	--	--	--	--	--	--
82-02-01	--	--	--	--	--	--	--	--	--
82-03-19	--	--	--	--	--	--	--	--	--
82-03-22	--	80	30	--	<10	--	<2	--	20
82-07-05	--	60	<30	--	<10	--	--	--	130
82-08-10	--	--	--	--	--	--	--	--	--
82-09-28	--	--	--	--	--	--	--	--	--
80-10-22	--	270	30	--	--	--	--	--	50
81-02-18	--	270	<30	--	50	--	<8	--	30
81-08-25	--	270	80	--	40	--	--	--	120
82-01-18	--	130	<30	--	<10	--	<2	--	70
82-01-19	--	--	--	--	--	--	--	--	--
82-02-16	--	--	--	--	--	--	--	--	--
82-03-03	--	--	--	--	--	--	--	--	--

WATER QUALITY DATA, SEPTEMBER 1980 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH LAB (UNITS)	TUR-BID-ITY (NTU)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
405126073273802	S 12130 SCWA HARBOR RD.	112GLCLU	80-12-16	305	51	6.3	.08	3.4	1.1
		112GLCLU	81-07-14	305	36	5.5	.29	2.1	.7
		112GLCLU	81-11-17	305	32	5.6	.10	1.7	.7
		112GLCLU	32-03-11	305	38	6.1	.14	1.4	.7
		112GLCLU	82-06-16	305	36	6.0	.28	1.9	.6
		112GLCLU	82-08-11	305	45	6.0	.11	2.1	.7
404531073150601	S 13534 SCWA EAST FORKS	112GLCLU	80-10-28	119	170	5.6	.21	11	4.0
		112GLCLU	81-03-14	119	175	5.4	.24	13	4.9
		112GLCLU	81-08-18	119	168	5.2	.31	11	4.1
		112GLCLU	82-06-02	119	--	--	--	--	--
		112GLCLU	92-07-05	119	210	5.1	.35	13	5.0

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)
80-12-16	3.9	.4	13	5.5	--	1.4	<.010	<.010	--	<5	<20	--
81-07-14	3.7	.4	9	4.5	--	1.1	<.010	<.010	--	--	--	--
31-11-17	3.7	.4	7	5.0	<.1	.96	<.010	<.010	--	--	--	--
82-03-11	3.7	.4	8	4.0	--	1.1	--	<.010	--	--	--	--
82-06-16	3.8	.4	10	1.0	<.1	.80	<.010	<.010	--	--	--	--
82-08-11	4.1	.5	12	2.0	--	1.1	<.010	<.010	--	<5	--	--
80-10-28	11	2.2	10	16	--	6.3	<.010	<.010	--	<5	<30	--
81-03-14	12	2.2	12	18	--	6.7	<.010	.060	--	--	--	--
81-08-18	13	2.5	12	17	<.1	6.7	<.010	<.010	--	--	--	--
82-06-02	--	--	--	--	--	8.9	--	--	--	--	--	--
82-07-05	16	3.4	11	21	<.1	8.3	<.010	<.010	--	--	--	--

DATE OF SAMPLE	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS MG)	SELE-NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
80-12-16	--	200	<10	--	<10	--	--	--	<10
81-07-14	--	160	40	--	<20	--	<2	--	50
81-11-17	--	10	<30	--	20	--	--	--	20
82-03-11	--	140	<30	--	<10	--	<2	--	20
82-06-16	--	110	30	--	<10	--	--	--	100
82-08-11	--	--	<30	--	<10	--	--	--	20
80-10-28	--	90	<10	--	160	--	--	--	20
81-03-14	--	30	90	--	160	--	<2	--	120
81-08-18	--	<20	50	--	250	--	--	--	<30
82-06-02	--	--	30	--	110	--	--	--	--
82-07-05	--	40	<30	--	270	--	--	--	40

WATER QUALITY DATA, SEPTEMBER 1980 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENT- I- FIER	GEO- LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE- CIFIC CON- DUCT- ANCE LAB (UMHOS)	PH LAB (UNITS)	TUR- BID- ITY (NTU)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG)
404919073142701	S 14326 SCWA FALCON DR.	211MGTY	80-12-02	225	57	6.2	.16	3.9	1.4
		211MGTY	81-02-11	225	63	6.3	.24	3.9	1.4
		211MGTY	81-08-05	225	57	5.8	.16	4.0	1.5
		211MGTY	82-01-02	225	59	5.5	.14	4.0	1.4
		211MGTY	82-04-05	225	73	6.5	.11	4.4	1.7
		211MGTY	82-07-26	225	60	5.8	.17	4.0	1.4
404551072561602	S 14710 SCWA HEAD OF NEC	112GLCLU	80-09-02	118	119	--	.56	7.4	2.0
		112GLCLU	81-02-09	118	96	6.0	.80	7.1	1.7
		112GLCLU	81-08-04	118	118	5.8	.70	8.4	2.3
		112GLCLU	82-01-18	118	79	5.9	1.2	5.0	1.7
		112GLCLU	82-04-09	118	95	6.4	.74	5.3	1.9
		112GLCLU	82-07-14	118	102	6.0	.75	6.3	2.2

DATE OF SAMPLE	SODIUM, TOTAL RECOV- ERABLE (MG/L AS NA)	POTAS- SIUM, TOTAL RECOV- ERABLE (MG/L AS K)	ALKA- LINITY FIELD (MG/L AS CACO3)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, TOTAL (MG/L AS F)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)
80-12-02	4.1	.4	15	7.0	--	.53	<.010	<.010	--	<5	<30	--
81-02-11	4.4	.4	15	5.5	--	.58	<.010	<.010	--	--	--	--
81-08-05	4.7	.4	17	5.5	<.1	.54	<.010	.040	--	--	--	--
82-01-02	4.7	.4	15	7.5	--	.53	<.010	<.010	--	--	--	--
82-04-05	5.1	.5	18	6.0	<.1	.87	<.010	<.010	--	--	--	--
82-07-26	6.8	.4	15	7.5	--	.60	<.010	.500	--	<5	--	--
80-09-02	9.6	1.4	14	13	--	2.7	<.010	<.010	--	<5	--	--
81-02-09	7.2	1.3	14	8.5	--	2.4	<.010	<.010	--	<5	<20	--
81-08-04	10	1.5	14	13	<.1	3.2	<.010	<.010	--	--	--	--
82-01-18	6.5	1.0	16	6.5	--	2.0	<.010	<.010	--	--	--	--
82-04-09	7.3	1.1	15	7.0	<.1	2.5	<.010	<.010	--	--	--	--
82-07-14	8.2	1.3	15	9.5	--	2.7	<.010	<.010	--	<5	--	--

DATE OF SAMPLE	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	SELE- NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)
80-12-02	--	<10	<10	--	<10	--	--	--	<10
81-02-11	--	40	<30	--	<10	--	<8	--	<10
81-08-05	--	30	<30	--	<10	--	--	--	<20
82-01-02	--	20	<30	--	<10	--	<2	--	<30
82-04-05	--	<20	<30	--	<10	--	--	--	<20
82-07-26	--	20	<30	--	10	--	--	--	10
80-09-02	--	<10	220	--	140	--	--	--	50
81-02-09	--	40	230	--	60	--	<2	--	150
81-08-04	--	20	270	--	80	--	--	--	130
82-01-18	--	50	240	--	50	--	<2	--	30
82-04-09	--	20	210	--	50	--	--	--	60
82-07-14	--	40	250	--	50	--	--	--	110

WATER QUALITY DATA, SEPTEMBER 1980 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENT- I- FIER	GEO- LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE- CIFIC CON- DUCT- ANCE LAB (UMHOS)	PH LAB (UNITS)	TUR- BID- ITY (NTU)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG)
405453073030302	S 14792 SCWA JAYNE BLVD	211MGTY	80-09-15	453	133	--	.06	13	4.3
		211MGTY	80-11-19	453	131	6.5	.12	10	4.0
		211MGTY	81-04-27	453	112	6.8	.11	11	3.7
		211MGTY	81-09-20	453	129	6.1	.26	9.7	4.1
		211MGTY	82-02-15	453	113	6.2	.18	8.2	3.1
		211MGTY	82-07-06	453	137	6.2	.14	9.4	4.1
		211MGTY	82-08-11	453	114	6.2	.18	8.3	3.3

DATE OF SAMPLE	SODIUM, TOTAL RECOV- ERABLE (MG/L AS NA)	POTAS- SIUM, TOTAL RECOV- ERABLE (MG/L AS K)	ALKA- LINITY FIELD (MG/L AS CACO3)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, TOTAL (MG/L AS F)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)
80-09-15	6.7	1.0	19	9.5	<.1	3.1	<.010	<.010	--	--	--	<1
80-11-19	6.3	1.0	--	9.0	--	3.1	.010	<.010	--	<5	50	--
81-04-27	6.5	.9	20	8.5	--	4.3	.800	.060	--	--	--	--
81-09-20	7.5	1.1	21	8.5	<.1	3.6	<.010	<.010	--	--	--	--
82-02-15	6.0	.9	18	7.0	--	2.4	<.010	<.010	--	--	--	--
82-07-06	7.5	1.2	19	9.0	<.1	3.9	<.010	.060	--	--	--	--
82-08-11	6.1	.9	18	7.5	--	2.8	<.010	.200	--	<5	--	--

DATE OF SAMPLE	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	SELE- NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)
80-09-15	--	60	<10	<5	<10	--	--	--	--
80-11-19	--	30	<10	--	<10	--	--	--	<10
81-04-27	--	40	<30	--	<10	--	<2	--	50
81-09-20	--	30	<30	--	10	--	--	--	30
82-02-15	--	<20	<30	--	<10	--	<2	--	40
82-07-06	--	40	40	--	<10	--	--	--	<20
82-08-11	--	<20	<30	--	<10	--	--	--	50

WATER QUALITY DATA, SEPTEMBER 1980 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH LAB (UNITS)	TUR-BID-ITY (NTU)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
405114073261001	S 14828 SCWA WOODCHUCK H	112GLCLU	81-06-24	508	97	6.3	.16	9.9	3.4
		112GLCLU	81-10-13	508	112	5.9	.28	7.5	3.1
		112GLCLU	82-01-05	508	--	--	--	--	--
		112GLCLU	82-02-16	508	--	--	--	--	--
		112GLCLU	82-03-16	508	124	6.0	.85	9.0	3.3
		112GLCLU	82-04-28	508	--	--	--	--	--
		112GLCLU	82-05-26	508	--	--	--	--	--
		112GLCLU	82-06-15	508	--	--	--	--	--
		112GLCLU	82-06-24	508	98	5.8	.16	6.4	2.6
		112GLCLU	82-07-13	508	--	--	--	--	--
		112GLCLU	82-07-22	508	118	5.9	.11	7.1	3.1
		112GLCLU	82-08-05	508	--	--	--	--	--
		112GLCLU	82-09-14	508	--	--	--	--	--

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)
81-06-24	7.8	.9	--	11	--	4.7	<.010	<.010	--	--	--	--
81-10-13	7.3	.9	14	10	<.1	4.9	<.010	<.010	--	--	--	--
82-01-05	--	--	--	--	--	4.7	--	--	--	--	--	--
82-02-16	--	--	--	--	--	5.1	--	--	--	--	--	--
82-03-16	7.5	.9	10	11	--	5.2	<.010	.180	--	--	--	--
82-04-28	--	--	--	--	--	5.1	--	--	--	--	--	--
82-05-26	--	--	--	--	--	3.9	--	--	--	--	--	--
82-06-15	--	--	--	--	--	4.1	--	--	--	--	--	--
82-06-24	5.8	.7	12	8.5	<.1	2.6	<.020	.280	--	--	--	--
82-07-13	--	--	--	--	--	5.4	--	--	--	--	--	--
82-07-22	7.4	.9	11	11	--	5.3	<.010	<.010	--	<5	--	--
82-08-05	--	--	--	--	--	5.0	--	--	--	--	--	--
82-09-14	--	--	--	--	--	5.3	--	--	--	--	--	--

DATE OF SAMPLE	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
81-06-24	--	40	50	--	<10	--	<2	--	200
81-10-13	--	690	<30	--	<10	--	--	--	70
82-01-05	--	--	--	--	--	--	--	--	--
82-02-16	--	--	--	--	--	--	--	--	--
82-03-16	--	110	<30	--	<30	--	<2	--	20
82-04-28	--	--	--	--	--	--	--	--	--
82-05-26	--	--	--	--	--	--	--	--	--
82-06-15	--	--	--	--	--	--	--	--	--
82-06-24	--	60	<30	--	20	--	--	--	150
82-07-13	--	--	--	--	--	--	--	--	--
82-07-22	--	50	30	--	<10	--	--	--	40
82-08-05	--	--	--	--	--	--	--	--	--
82-09-14	--	--	--	--	--	--	--	--	--

WATER QUALITY DATA, SEPTEMBER 1980 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH LAB (UNITS)	TUR-BID-ITY (NTU)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
405806072095401	S 14921 SCWA SPRING CLOS	112GLCLU	80-10-15	125	94	5.9	.10	3.7	2.0
		112GLCLU	81-03-04	125	102	6.0	.17	4.4	2.5
		112GLCLU	81-08-17	125	91	6.0	.18	4.0	2.4
		112GLCLU	82-03-17	125	99	5.7	.12	4.2	2.5
		112GLCLU	82-07-12	125	104	5.8	.40	4.3	2.6
		112GLCLU	82-08-24	125	92	5.8	.18	4.0	2.2
404811073113101	S 15500 SCWA HALF MILE R	112GLCLU	82-06-16	149	160	5.8	.15	11	3.6
404811073113102	S 15501 SCWA HALF MILE R	112GLCLU	82-07-06	154	124	5.8	.23	8.2	2.7

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)
80-10-15	8.0	.6	10	13	--	.98	<.010	<.010	--	--	<20	--
81-03-04	8.6	.7	11	14	--	1.1	<.010	.010	--	--	--	--
81-08-17	8.5	.7	14	13	--	1.2	<.010	.970	--	--	--	--
82-03-17	9.0	.9	12	12	--	1.2	<.010	<.010	--	--	--	--
82-07-12	9.1	.8	10	14	<.1	1.3	<.010	<.010	--	--	--	--
82-08-24	8.6	.8	10	11	--	1.0	<.010	<.010	--	<5	--	--
82-06-16	14	.8	24	20	--	2.7	<.010	<.010	--	--	--	--
82-07-06	10	.8	22	12	<.1	2.5	<.010	<.010	--	--	--	--

DATE OF SAMPLE	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
80-10-15	--	<10	<10	--	<10	--	--	--	<10
81-03-04	--	60	60	--	<20	--	<2	--	<20
81-08-17	--	20	<30	--	<10	--	--	--	20
82-03-17	--	40	20	--	<10	--	2	--	40
82-07-12	--	20	50	--	10	--	--	--	80
82-08-24	--	30	<30	--	<10	--	--	--	380
82-06-16	--	<10	40	--	10	--	--	--	<10
82-07-06	--	100	50	--	10	--	--	--	660

WATER QUALITY DATA, SEPTEMBER 1980 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENT- I- FIER	GEO- LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE- CIFIC CON- DUCT- ANCE LAB (UMHOS)	PH LAB (UNITS)	TUR- BID- ITY (NTU)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG)
405308073175101	S 15514 SCWA GUN CLUB RD	211MGTY	80-12-01	595	166	6.6	.11	14	4.6
		211MGTY	81-05-18	595	153	6.2	.29	16	5.5
		211MGTY	81-09-13	595	144	6.2	.13	12	4.2
		211MGTY	82-01-05	595	--	--	--	--	--
		211MGTY	82-03-02	595	--	--	--	--	--
		211MGTY	82-03-03	595	--	--	--	--	--
		211MGTY	82-03-10	595	235	6.5	.18	20	7.6
		211MGTY	82-04-11	595	--	--	--	--	--
		211MGTY	82-05-04	595	--	--	--	--	--
		211MGTY	82-06-02	595	--	--	--	--	--
		211MGTY	82-06-14	595	95	6.5	1.5	7.6	1.5
		211MGTY	82-07-01	595	--	--	--	--	--
		211MGTY	82-08-04	595	--	--	--	--	--
		211MGTY	82-09-01	595	--	--	--	--	--
		211MGTY	82-09-05	595	147	6.5	.14	11	4.2

DATE OF SAMPLE	SODIUM, TOTAL RECOV- ERABLE (MG/L AS NA)	POTAS- SIUM, TOTAL RECOV- ERABLE (MG/L AS K)	ALKA- LINITY FIELD (MG/L AS CACO3)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, TOTAL (MG/L AS F)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)
80-12-01	7.9	.8	14	14	--	3.9	<.010	<.010	--	<5	<20	--
81-05-18	8.1	.8	18	15	--	4.6	<.010	<.010	--	--	--	--
81-09-13	8.1	.8	17	12	<.1	4.2	<.010	<.010	--	--	--	--
82-01-05	--	--	--	14	--	4.4	--	--	--	--	--	--
82-03-02	--	--	--	13	--	5.3	--	--	--	--	--	--
82-03-03	--	--	--	10	--	4.2	--	--	--	--	--	--
82-03-10	9.8	.7	13	16	--	6.5	.010	<.010	--	--	--	--
82-04-11	--	--	--	9.0	--	5.1	--	--	--	--	--	--
82-05-04	--	--	--	11	--	4.9	--	--	--	--	--	--
82-06-02	--	--	--	13	--	5.0	--	--	--	--	--	--
82-06-14	5.1	.5	14	8.5	<.1	1.2	<.010	<.010	--	--	--	--
82-07-01	--	--	--	--	--	3.9	--	--	--	--	--	--
82-08-04	--	--	--	13	--	5.2	--	--	--	--	--	--
82-09-01	--	--	--	9.0	--	3.3	--	--	--	--	--	--
82-09-05	8.0	.8	13	12	--	4.5	<.010	<.010	--	<5	--	--

DATE OF SAMPLE	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	SELE- NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)
80-12-01	--	40	<10	--	<10	--	--	--	<10
81-05-18	--	30	50	--	30	--	<2	--	<20
81-09-13	--	<20	30	--	<10	--	--	--	50
82-01-05	--	--	--	--	--	--	--	--	--
82-03-02	--	--	--	--	--	--	--	--	--
82-03-03	--	--	--	--	--	--	--	--	--
82-03-10	<50	70	40	--	<10	--	<2	--	<30
82-04-11	--	--	--	--	--	--	--	--	--
82-05-04	--	--	--	--	--	--	--	--	--
82-06-02	--	--	--	--	--	--	--	--	--
82-06-14	--	40	110	--	10	--	--	--	70
82-07-01	--	--	--	--	--	--	--	--	--
82-08-04	--	--	--	--	--	--	--	--	--
82-09-01	--	--	--	--	--	--	--	--	--
82-09-05	--	30	40	--	20	--	--	--	<20

WATER QUALITY DATA, SEPTEMBER 1980 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENT- I- FIER	GEO- LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE- CIFIC CON- DUCT- ANCE LAB (UMHOS)	PH LAB (UNITS)	TUR- BID- ITY (NTU)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG)
405307073175001	S 15515 SCWA GUN CLUB RD	211MGTY	80-12-01	356	358	6.2	.16	32	11
		211MGTY	81-05-18	356	320	6.0	.12	33	12
		211MGTY	81-09-13	356	315	5.9	.09	30	11
		211MGTY	82-01-05	356	--	--	--	--	--
		211MGTY	82-02-03	356	--	--	--	--	--
		211MGTY	82-03-02	356	--	--	--	--	--
		211MGTY	82-03-10	356	340	6.3	.11	32	12
		211MGTY	82-04-11	356	--	--	--	--	--
		211MGTY	82-05-04	356	--	--	--	--	--
		211MGTY	82-06-02	356	--	--	--	--	--
		211MGTY	82-07-01	356	--	--	--	--	--
		211MGTY	82-08-04	356	--	--	--	--	--
		211MGTY	82-09-05	356	310	6.2	.16	24	11

DATE OF SAMPLE	SODIUM, TOTAL RECOV- ERABLE (MG/L AS NA)	POTAS- SIUM, TOTAL RECOV- ERABLE (MG/L AS K)	ALKA- LINITY FIELD (MG/L AS CACO3)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, TOTAL (MG/L AS F)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)
80-12-01	12	1.7	13	27	--	10	<.010	<.010	--	<5	<20	--
81-05-18	12	1.7	17	28	--	9.5	.020	<.010	--	--	--	--
81-09-13	13	2.1	13	25	<.1	9.7	.010	<.010	--	--	--	--
82-01-05	--	--	--	28	--	10	--	--	--	--	--	--
82-02-03	--	--	--	27	--	10	--	--	--	--	--	--
82-03-02	--	--	--	14	--	11	--	--	--	--	--	--
82-03-10	--	--	--	25	--	9.8	<.010	<.010	--	--	--	--
82-04-11	--	--	--	13	--	9.9	--	--	--	--	--	--
82-05-04	--	--	--	26	--	6.8	--	--	--	--	--	--
82-06-02	--	--	--	27	--	10	--	--	--	--	--	--
82-07-01	--	--	--	28	--	9.9	--	--	--	--	--	--
82-08-04	--	--	--	30	--	11	--	--	--	--	--	--
82-09-05	13	2.0	14	27	--	9.5	<.010	<.010	--	<5	--	--

DATE OF SAMPLE	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	SELE- NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)
80-12-01	--	50	<10	--	<10	--	--	--	<10
81-05-18	--	40	80	--	<20	--	<2	--	<20
81-09-13	--	<20	30	--	<10	--	--	--	40
82-01-05	--	--	--	--	--	--	--	--	--
82-02-03	--	--	--	--	--	--	--	--	--
82-03-02	--	--	--	--	--	--	--	--	--
82-03-10	--	40	30	--	<10	--	<2	--	<20
82-04-11	--	--	--	--	--	--	--	--	--
82-05-04	--	--	--	--	--	--	--	--	--
82-06-02	--	--	--	--	--	--	--	--	--
82-07-01	--	--	--	--	--	--	--	--	--
82-08-04	--	--	--	--	--	--	--	--	--
82-09-05	--	20	50	--	20	--	--	--	<20

WATER QUALITY DATA, SEPTEMBER 1980 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH LAB (UNITS)	TUR-BID-ITY (NTU)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
404923073122401	S 15746 SCWA WHEELER RD.	112GLCLU	80-09-28	128	220	--	.22	13	4.0
		112GLCLU	81-08-11	128	260	5.7	.20	17	4.9
		112GLCLU	82-01-17	128	--	--	--	--	--
		112GLCLU	82-01-18	128	232	5.4	.28	17	4.9
		112GLCLU	82-03-15	128	--	--	--	--	--
		112GLCLU	82-04-13	128	--	--	--	--	--
		112GLCLU	82-04-21	128	270	5.6	.11	16	4.7
		112GLCLU	82-05-17	128	--	--	--	--	--
		112GLCLU	82-06-15	128	--	--	--	--	--
		112GLCLU	82-07-14	128	244	5.9	.38	16	4.9
		112GLCLU	82-09-14	128	--	--	--	--	--

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)
80-09-28	22	1.6	21	33	--	4.1	<.010	<.010	--	<5	50	--
81-08-11	24	2.0	21	39	<.1	5.9	<.010	.570	--	--	--	--
82-01-17	--	--	--	41	--	6.1	--	--	--	--	--	--
82-01-18	26	2.0	22	40	--	6.1	<.010	<.010	--	--	--	--
82-03-15	--	--	--	40	--	5.4	--	--	--	--	--	--
82-04-13	--	--	--	--	--	--	--	--	--	--	--	--
82-04-21	25	2.2	21	39	<.1	5.5	<.010	<.010	--	--	--	--
82-05-17	--	--	--	40	--	6.0	--	--	--	--	--	--
82-06-15	--	--	--	--	--	4.2	--	--	--	--	--	--
82-07-14	27	2.1	19	43	--	5.8	<.010	<.010	--	<5	--	--
82-09-14	--	--	--	52	--	5.7	--	--	--	--	--	--

DATE OF SAMPLE	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
80-09-28	--	100	40	--	30	--	--	--	30
81-08-11	--	100	40	--	20	--	--	--	150
82-01-17	--	--	<30	--	<10	--	--	--	--
82-01-18	--	90	<30	--	30	--	<2	--	270
82-03-15	--	--	50	--	<10	--	--	--	--
82-04-13	--	--	40	--	<10	--	--	--	--
82-04-21	--	80	<30	--	20	--	--	--	30
82-05-17	--	--	20	--	40	--	--	--	--
82-06-15	--	--	<10	--	40	--	--	--	--
82-07-14	--	10	60	--	30	--	--	--	<10
82-09-14	--	--	30	--	50	--	--	--	--

WATER QUALITY DATA, SEPTEMBER 1980 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH LAB (UNITS)	TUR-BID-ITY (NTU)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
405113073260801	S 15776 SCWA WOODCHUCK H	112GLCLU	80-12-10	503	116	6.3	.11	8.8	3.3
		112GLCLU	81-06-23	503	126	6.3	1.1	16	3.5
		112GLCLU	81-10-26	503	103	5.9	.15	7.3	3.1
		112GLCLU	82-01-19	503	--	--	--	--	--
		112GLCLU	82-02-18	503	--	--	--	--	--
		112GLCLU	82-03-23	503	--	--	--	--	--
		112GLCLU	82-03-24	503	144	6.1	.22	8.7	3.5
		112GLCLU	82-04-20	503	--	--	--	--	--
		112GLCLU	82-05-25	503	--	--	--	--	--
		112GLCLU	82-06-18	503	--	--	--	--	--
		112GLCLU	82-06-23	503	104	6.4	.14	8.6	2.8
		112GLCLU	82-07-14	503	--	--	--	--	--
		112GLCLU	82-07-28	503	100	5.5	.18	6.9	2.8
		112GLCLU	82-08-04	503	--	--	--	--	--
		112GLCLU	82-09-15	503	--	--	--	--	--

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)
80-12-10	6.1	.8	15	9.0	--	3.8	<.010	<.010	--	<5	<20	--
81-06-23	7.7	.9	24	13	--	4.4	<.010	<.010	--	--	--	--
81-10-26	6.3	.8	15	9.0	<.1	3.6	.140	<.010	--	--	--	--
82-01-19	--	--	--	--	--	3.8	--	--	--	--	--	--
82-02-18	--	--	--	--	--	4.8	--	--	--	--	--	--
82-03-23	--	--	--	--	--	4.1	--	--	--	--	--	--
82-03-24	6.5	.8	13	7.5	--	4.2	<.010	<.010	--	--	--	--
82-04-20	--	--	--	--	--	3.6	--	--	--	--	--	--
82-05-25	--	--	--	--	--	3.6	--	--	--	--	--	--
82-06-18	--	--	--	--	--	2.8	--	--	--	--	--	--
82-06-23	6.3	.8	14	8.5	<.1	2.8	<.010	<.010	--	--	--	--
82-07-14	--	--	--	--	--	3.5	--	--	--	--	--	--
82-07-28	6.3	.8	14	9.0	--	4.0	<.010	<.010	--	<5	--	--
82-08-04	--	--	--	--	--	4.1	--	--	--	--	--	--
82-09-15	--	--	--	--	--	4.5	--	--	--	--	--	--

DATE OF SAMPLE	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
80-12-10	--	170	30	--	10	--	--	--	40
81-06-23	--	40	60	--	20	--	<2	--	190
81-10-26	--	60	<30	--	<10	--	--	--	20
82-01-19	--	--	--	--	--	--	--	--	--
82-02-18	--	--	--	--	--	--	--	--	--
82-03-23	--	--	--	--	--	--	--	--	--
82-03-24	--	110	<30	--	<10	--	<2	--	30
82-04-20	--	--	--	--	--	--	--	--	--
82-05-25	--	--	--	--	--	--	--	--	--
82-06-18	--	--	--	--	--	--	--	--	--
82-06-23	--	60	<30	--	10	--	--	--	190
82-07-14	--	--	--	--	--	--	--	--	--
82-07-28	--	30	<30	--	<10	--	--	--	480
82-08-04	--	--	--	--	--	--	--	--	--
82-09-15	--	--	--	--	--	--	--	--	--

WATER QUALITY DATA, SEPTEMBER 1980 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENT- I- FIER	GEO- LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE- CIFIC CON- DUCT- ANCE LAB (UMHOS)	PH LAB (UNITS)	TUR- BID- ITY (NTU)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG)
404536073163301	S 15898 SCWA LOCUST DR.	112GLCLU	80-10-26	128	160	6.4	.19	13	2.5
		112GLCLU	82-01-10	128	--	--	--	--	--
		112GLCLU	82-07-14	128	--	--	--	--	--
		112GLCLU	82-08-02	128	190	5.4	.17	10	3.4
		112GLCLU	82-08-10	128	--	--	--	--	--
		112GLCLU	82-09-14	128	--	--	--	--	--

DATE OF SAMPLE	SODIUM, TOTAL RECOV- ERABLE (MG/L AS NA)	POTAS- SIUM, TOTAL RECOV- ERABLE (MG/L AS K)	ALKA- LINITY FIELD (MG/L AS CACO3)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, TOTAL (MG/L AS F)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)
80-10-26	11	1.4	2	15	--	3.6	<.010	<.010	--	--	<30	--
82-01-10	--	--	--	11	--	1.2	--	--	--	--	--	--
82-07-14	--	--	--	23	--	4.8	--	--	--	--	--	--
82-08-02	17	2.2	12	24	--	5.7	<.010	<.010	--	<5	--	--
82-08-10	--	--	--	24	--	5.2	--	--	--	--	--	--
82-09-14	--	--	--	25	--	5.7	--	--	--	--	--	--

DATE OF SAMPLE	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	SELE- NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)
80-10-26	--	80	<10	--	100	--	--	--	40
82-01-10	--	--	--	--	20	--	--	--	--
82-07-14	--	--	--	--	120	--	--	--	--
82-08-02	--	160	<30	--	120	--	--	--	<20
82-08-10	--	--	--	--	160	--	--	--	--
82-09-14	--	--	--	--	180	--	--	--	--

WATER QUALITY DATA, SEPTEMBER 1980 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH LAB (UNITS)	TUR-BID-ITY (NTU)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
405134073155901	S 15923 SCWA KINGS PARK	112GLCLU	80-09-30	260	193	--	.07	9.8	5.7
		112GLCLU	81-02-05	260	130	6.4	.20	6.4	3.5
		112GLCLU	82-01-02	260	180	4.8	.11	9.7	5.9
		112GLCLU	82-01-20	260	--	--	--	--	--
		112GLCLU	82-02-23	260	--	--	--	--	--
		112GLCLU	82-03-19	260	--	--	--	--	--
		112GLCLU	82-04-18	260	178	5.4	.14	8.5	5.5
		112GLCLU	82-04-19	260	--	--	--	--	--
		112GLCLU	82-05-17	260	--	--	--	--	--
		112GLCLU	82-06-01	260	--	--	--	--	--
		112GLCLU	82-07-01	260	--	--	--	--	--
		112GLCLU	82-07-28	260	195	4.8	1.0	9.0	5.7
		112GLCLU	82-08-26	260	--	--	--	--	--
		112GLCLU	82-09-27	260	--	--	--	--	--

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)
80-09-30	15	1.4	8	22	--	7.8	<.010	<.010	--	<5	70	--
81-02-05	9.2	1.0	12	13	--	4.7	<.010	<.010	--	--	--	--
82-01-02	16	1.7	10	24	--	7.6	<.010	<.010	--	--	--	--
82-01-20	--	--	--	23	--	7.0	--	--	--	--	--	--
82-02-23	--	--	--	21	--	7.4	--	--	--	--	--	--
82-03-19	--	--	--	--	--	8.0	--	--	--	--	--	--
82-04-18	16	1.7	9	22	<.1	7.2	<.010	<.010	--	--	--	--
82-04-19	--	--	--	21	--	7.2	--	--	--	--	--	--
82-05-17	--	--	--	22	--	7.7	--	--	--	--	--	--
82-06-01	--	--	--	24	--	6.8	--	--	--	--	--	--
82-07-01	--	--	--	--	--	7.5	--	--	--	--	--	--
82-07-28	16	1.7	8	21	--	7.1	.010	--	--	<5	--	--
82-08-26	--	--	--	21	--	7.6	--	--	--	--	--	--
82-09-27	--	--	--	21	--	7.7	--	--	--	--	--	--

DATE OF SAMPLE	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
80-09-30	--	50	<10	--	20	--	--	--	<10
81-02-05	--	30	50	--	<10	--	<2	--	<10
82-01-02	--	50	<30	--	10	--	<2	--	40
82-01-20	--	--	--	--	--	--	--	--	--
82-02-23	--	--	--	--	--	--	--	--	--
82-03-19	--	--	--	--	--	--	--	--	--
82-04-18	--	40	<30	--	20	--	--	--	<20
82-04-19	--	--	--	--	--	--	--	--	--
82-05-17	--	--	--	--	--	--	--	--	--
82-06-01	--	--	--	--	--	--	--	--	--
82-07-01	--	--	--	--	--	--	--	--	--
82-07-28	--	40	<10	--	20	--	--	--	20
82-08-26	--	--	--	--	--	--	--	--	--
82-09-27	--	--	--	--	--	--	--	--	--

WATER QUALITY DATA, SEPTEMBER 1980 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH LAB (UNITS)	TUR-BID-ITY (NTU)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
405607073072401	S 15962 SCWA MUD RD. 1	112GLCLU	80-09-22	127	57	--	.09	4.2	1.3
		112GLCLU	80-10-29	127	114	6.4	.12	7.9	1.9
		112GLCLU	81-03-23	127	102	6.1	.14	9.0	2.2
		112GLCLU	81-08-24	127	88	6.2	.14	8.3	1.6
		112GLCLU	82-01-21	127	143	5.9	.16	12	2.6
		112GLCLU	82-02-17	127	--	--	--	--	--
		112GLCLU	82-03-11	127	--	--	--	--	--
		112GLCLU	82-04-14	127	--	--	--	--	--
		112GLCLU	82-05-06	127	--	--	--	--	--
		112GLCLU	82-05-09	127	153	6.1	.15	11	3.4
		112GLCLU	82-06-10	127	--	--	--	--	--
		112GLCLU	82-08-04	127	77	6.3	.22	7.1	1.2
		112GLCLU	82-09-08	127	--	--	--	--	--

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)
80-09-22	3.7	.4	14	5.0	<.1	.58	<.010	.090	--	--	--	3
80-10-29	6.6	.5	25	6.5	--	1.4	<.010	<.010	--	<5	<20	--
81-03-23	7.1	.6	21	10	--	1.6	<.010	<.010	--	--	--	--
81-08-24	5.9	.6	23	7.5	<.1	1.1	<.010	<.010	--	--	--	--
82-01-21	9.0	.7	30	12	--	2.3	<.010	<.010	--	--	--	--
82-02-17	--	--	--	12	--	2.7	--	--	--	--	--	--
82-03-11	--	--	--	12	--	2.2	--	--	--	--	--	--
82-04-14	--	--	--	7.0	--	1.8	--	--	--	--	--	--
82-05-06	--	--	--	7.0	--	3.4	--	--	--	--	--	--
82-05-09	9.2	.9	25	12	<.1	3.1	<.010	<.010	--	--	--	--
82-06-10	--	--	--	13	--	2.2	--	--	--	--	--	--
82-08-04	4.4	.4	23	6.5	--	.71	<.010	<.050	--	<5	--	--
82-09-08	--	--	--	12	--	3.5	--	--	--	--	--	--

DATE OF SAMPLE	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
80-09-22	--	20	<30	<5	20	--	--	--	60
80-10-29	--	50	<10	--	<10	--	--	--	20
81-03-23	--	70	<30	--	<20	--	<4	--	<10
81-08-24	--	90	40	--	<10	--	--	--	<20
82-01-21	--	80	<30	--	<10	--	<2	--	20
82-02-17	--	--	--	--	--	--	--	--	--
82-03-11	--	--	--	--	--	--	--	--	--
82-04-14	--	--	--	--	--	--	--	--	--
82-05-06	--	--	--	--	--	--	--	--	--
82-05-09	--	100	<30	--	<10	--	--	--	70
82-06-10	--	--	--	--	--	--	--	--	--
82-08-04	--	30	<30	--	<10	--	--	--	<20
82-09-08	--	--	--	--	--	--	--	--	--

QUALITY OF GROUND WATER

WATER QUALITY DATA, SEPTEMBER 1980 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH LAB (UNITS)	TUR-BID-ITY (NTU)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
405301073153201	S 16129 SCWA CARLSON AVE	211MGTY	80-10-09	550	44	6.1	.08	2.9	.7
		211MGTY	81-02-11	550	30	5.8	.16	1.5	.5
		211MGTY	81-08-05	550	28	5.5	.14	1.5	.4
		211MGTY	82-01-18	550	30	5.4	.11	1.4	.4
		211MGTY	82-04-08	550	40	6.4	.12	2.2	.5
		211MGTY	82-07-14	550	28	5.8	.28	2.3	.4

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)
80-10-09	3.1	.4	9	4.5	--	.32	<.010	<.010	--	<5	<20	--
81-02-11	3.1	.3	7	3.5	--	.21	<.010	<.010	--	--	--	--
81-08-05	3.2	.4	8	5.5	<.1	.28	<.010	<.010	--	--	--	--
82-01-18	3.1	.3	9	3.5	--	.37	<.010	<.010	--	--	--	--
82-04-08	3.4	.4	10	2.0	<.1	.45	<.010	<.010	--	--	--	--
82-07-14	3.1	.3	8	4.0	--	.22	<.010	<.010	--	<5	--	--

DATE OF SAMPLE	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
80-10-09	--	40	<10	--	<10	--	--	--	<10
81-02-11	--	90	<30	--	<10	--	<8	--	20
81-08-05	--	50	<30	--	<10	--	--	--	--
82-01-18	--	50	<10	--	10	--	<2	--	20
82-04-08	--	50	<30	--	10	--	--	--	<20
82-07-14	--	50	60	--	50	--	--	--	10

WATER QUALITY DATA, SEPTEMBER 1980 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH LAB (UNITS)	TUR-BID-ITY (NTU)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
404534073163101	S 16175 SCWA LOCUST DR.	112GLCLU	80-10-27	130	178	5.9	.16	9.3	3.1
		112GLCLU	81-09-19	130	166	5.3	.18	9.4	2.9
		112GLCLU	82-01-10	130	--	--	--	--	--
		112GLCLU	82-03-15	130	--	--	--	--	--
		112GLCLU	82-04-11	130	--	--	--	--	--
		112GLCLU	82-05-05	130	--	--	--	--	--
		112GLCLU	82-05-11	130	160	6.2	.15	11	2.3
		112GLCLU	82-06-18	130	--	--	--	--	--
		112GLCLU	82-07-14	130	--	--	--	--	--
		112GLCLU	82-08-02	130	185	5.3	.23	9.3	2.7
		112GLCLU	82-08-10	130	--	--	--	--	--
		112GLCLU	82-09-13	130	--	--	--	--	--
404528073150801	S 16176 SCWA EAST FORKS	112GLCLU	80-10-28	117	230	5.3	.11	15	4.4
		112GLCLU	81-03-09	117	185	5.2	.22	15	4.0
		112GLCLU	81-06-25	117	129	5.7	.26	10	2.9

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)
80-10-27	16	1.9	14	23	--	5.0	<.010	<.010	--	--	<30	--
81-09-19	17	2.1	9	26	--	5.1	<.010	.160	--	--	--	--
82-01-10	--	--	--	10	--	1.3	--	--	--	--	--	--
82-03-15	--	--	--	30	--	4.8	--	--	--	--	--	--
82-04-11	--	--	--	--	--	--	--	--	--	--	--	--
82-05-05	--	--	--	17	--	3.3	--	--	--	--	--	--
82-05-11	13	1.5	15	18	<.1	2.9	<.010	<.010	--	--	--	--
82-06-18	--	--	--	19	--	2.9	--	--	--	--	--	--
82-07-14	--	--	--	25	--	5.1	--	--	--	--	--	--
82-08-02	19	2.3	10	22	--	5.2	<.010	<.010	--	<5	--	--
82-08-10	--	--	--	24	--	5.2	--	--	--	--	--	--
82-09-13	--	--	--	23	--	5.3	--	--	--	--	--	--
80-10-28	15	4.1	9	20	--	9.6	<.010	<.010	--	<1	<30	--
81-03-09	13	3.2	10	19	--	6.7	<.010	<.010	--	--	--	--
81-06-25	8.8	1.5	17	13	<.1	3.1	.400	<.010	--	--	--	--

DATE OF SAMPLE	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
80-10-27	--	130	<10	--	150	--	--	--	<10
81-09-19	--	70	<30	--	200	--	--	--	70
82-01-10	--	--	--	--	--	--	--	--	--
82-03-15	--	--	--	--	170	--	--	--	--
82-04-11	--	--	100	--	--	--	--	--	--
82-05-05	--	--	--	--	100	--	--	--	--
82-05-11	--	50	30	--	110	--	--	--	20
82-06-18	--	--	--	--	110	--	--	--	--
82-07-14	--	--	--	--	130	--	--	--	--
82-08-02	--	70	<30	--	220	--	--	--	350
82-08-10	--	--	--	--	230	--	--	--	--
82-09-13	--	--	--	--	220	--	--	--	--
80-10-28	--	100	<10	--	330	--	--	<250	<10
81-03-09	--	70	100	--	260	--	<2	--	50
81-06-25	--	50	50	--	140	--	--	--	<20

WATER QUALITY DATA, SEPTEMBER 1980 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENT- I- FIER	GEO- LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE- CIFIC CON- DUCT- ANCE LAB (UMHOS)	PH LAB (UNITS)	TUR- BID- ITY (NTU)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG)
404402073193202	S 16256 SCWA AUGUST RD.	211MGTY	81-01-06	650	29	5.5	.30	1.0	.4
		211MGTY	81-07-14	650	27	5.2	.91	1.3	.4
		211MGTY	81-11-16	650	25	4.8	.90	1.1	.4
		211MGTY	82-02-08	650	35	4.8	.80	.9	.4
		211MGTY	82-03-04	650	--	--	--	--	--
		211MGTY	82-04-11	650	--	--	--	--	--
		211MGTY	82-05-06	650	--	--	--	--	--
		211MGTY	82-06-07	650	--	--	--	--	--
		211MGTY	82-07-15	650	--	--	--	--	--
		211MGTY	82-08-05	650	--	--	--	--	--
		211MGTY	82-09-13	650	--	--	--	--	--
405230073030601	S 16309 SCWA BOYLE RD	112GLCLU	80-11-19	251	60	7.2	.13	4.6	1.6
		112GLCLU	81-04-21	251	56	6.1	.13	5.5	1.8
		112GLCLU	81-09-22	251	55	6.2	.17	4.5	1.7
		112GLCLU	82-03-21	251	54	6.7	.12	5.5	1.7
		112GLCLU	82-07-28	251	66	6.9	.13	5.2	1.7

DATE OF SAMPLE	SODIUM, TOTAL RECOV- ERABLE (MG/L AS NA)	POTAS- SIUM, TOTAL RECOV- ERABLE (MG/L AS K)	ALKA- LINITY FIELD (MG/L AS CACO3)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, TOTAL (MG/L AS F)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)
81-01-06	3.2	.4	6	3.5	--	<.01	<.010	<.010	--	--	<30	--
81-07-14	3.3	.4	8	4.0	--	<.05	<.010	<.010	--	--	--	--
81-11-16	3.2	.4	5	2.5	<.1	<.05	<.010	<.010	--	--	--	--
82-02-08	3.2	.4	4	--	--	<.05	<.010	<.010	--	--	--	--
82-03-04	--	--	--	--	--	--	--	--	--	--	--	--
82-04-11	--	--	--	--	--	--	--	--	--	--	--	--
82-05-06	--	--	--	--	--	--	--	--	--	--	--	--
82-06-07	--	--	--	--	--	--	--	--	--	--	--	--
82-07-15	--	--	--	--	--	--	--	--	.110	--	--	--
82-08-05	--	--	--	--	--	--	--	--	--	--	--	--
82-09-13	--	--	--	--	--	--	--	--	.080	--	--	--
80-11-19	3.5	.4	21	2.5	--	.10	<.010	.080	--	<5	<20	--
81-04-21	3.8	.4	21	4.0	--	.03	<.010	<.010	.220	--	--	--
81-09-22	3.7	.5	25	3.5	<.1	.07	<.010	<.010	.240	--	--	--
82-03-21	7.6	.5	21	5.0	--	.04	<.010	<.010	.280	--	--	--
82-07-28	5.0	.6	24	5.5	<.1	.05	<.010	<.010	.270	--	--	--

DATE OF SAMPLE	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	SELE- NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)
81-01-06	--	40	270	--	<10	--	--	--	30
81-07-14	--	20	260	--	<20	--	<2	--	130
81-11-16	--	<10	270	--	<10	--	--	--	40
82-02-08	--	40	280	--	<10	--	<2	--	10
82-03-04	--	--	830	--	--	--	--	--	--
82-04-11	--	--	400	--	--	--	--	--	--
82-05-06	--	--	250	--	--	--	--	--	--
82-06-07	--	--	180	--	--	--	--	--	--
82-07-15	--	--	890	--	--	--	--	--	--
82-08-05	--	--	120	--	--	--	--	--	--
82-09-13	--	--	200	--	--	--	--	--	--
80-11-19	--	20	<100	--	<10	--	--	--	<10
81-04-21	--	<10	<30	--	<10	--	<2	--	130
81-09-22	--	<20	<30	--	10	--	--	--	50
82-03-21	--	20	190	--	10	--	<2	--	890
82-07-28	--	20	60	--	10	--	--	--	320

WATER QUALITY DATA, SEPTEMBER 1980 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH LAB (UNITS)	TUR-BID-ITY (NTU)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
404947072405601	S 16892 SCWA OLD COUNTRY	112GLCLU	80-10-20	76	84	5.9	.11	3.7	1.3
		112GLCLU	81-03-09	76	70	5.5	.08	4.1	1.4
		112GLCLU	81-08-13	76	48	5.6	.14	3.0	1.2
		112GLCLU	82-01-02	76	52	5.5	.17	2.2	1.2
		112GLCLU	82-04-22	76	53	6.0	.17	3.1	1.3
		112GLCLU	82-08-02	76	87	5.6	.17	3.7	1.4
404945072414201	S 16893 SCWA OLD COUNTRY	112GLCLU	80-10-20	70	157	5.8	.12	6.0	2.0
		112GLCLU	81-03-09	70	140	5.7	.30	8.2	2.2
		112GLCLU	81-08-13	70	83	5.6	.10	6.4	1.5
		112GLCLU	82-01-02	70	101	5.6	.13	4.2	1.6
		112GLCLU	82-04-23	70	110	5.7	.11	5.6	.9
		112GLCLU	82-08-02	70	99	5.7	.14	5.3	1.4

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)
80-10-20	5.8	1.0	7	9.5	--	1.3	<.010	.130	--	<5	<20	--
81-03-09	5.3	1.0	7	8.0	--	.93	<.050	.100	<.100	--	--	--
81-08-13	3.5	.8	9	8.5	<.1	.78	<.010	--	--	--	--	--
82-01-02	3.4	.8	6	5.5	--	1.1	<.010	<.010	--	--	--	--
82-04-22	4.3	.8	6	6.5	<.1	1.3	<.010	<.010	--	--	--	--
82-08-02	8.6	1.1	8	14	--	1.2	<.010	<.010	--	<5	--	--
80-10-20	16	1.0	11	27	--	.51	<.010	<.010	--	<5	<20	--
81-03-09	15	1.1	11	28	--	.54	<.050	<.050	<.100	--	--	--
81-08-13	7.6	.8	10	14	<.1	.46	<.010	<.010	--	--	--	--
82-01-02	9.4	1.0	9	16	--	.61	<.010	.010	--	--	--	--
82-04-23	10	1.1	10	17	<.1	.83	<.010	<.010	--	--	--	--
82-08-02	9.0	1.0	9	15	--	.88	<.010	<.010	--	<5	--	--

DATE OF SAMPLE	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
80-10-20	--	100	<10	--	30	--	--	--	20
81-03-09	<10	50	<30	--	30	--	<10	--	100
81-08-13	--	60	<30	--	<10	--	--	--	30
82-01-02	--	20	40	--	<10	--	<2	--	<20
82-04-22	--	20	<30	--	<10	--	--	--	10
82-08-02	--	20	<30	--	<10	--	--	--	30
80-10-20	--	40	<10	--	<10	--	--	--	40
81-03-09	<10	80	50	--	20	--	<10	--	300
81-08-13	--	60	<30	--	<10	--	--	--	100
82-01-02	--	30	30	--	<10	--	<2	--	20
82-04-23	--	40	<30	--	10	--	--	--	<20
82-08-02	--	40	<30	--	<10	--	--	--	<20

WATER QUALITY DATA, SEPTEMBER 1980 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH LAB (UNITS)	TUR-BID-ITY (NTU)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
404952072583601	S 17037 SCWA RACE AVE.1	112GLCLU	80-09-17	155	190	--	.23	13	3.6
		112GLCLU	81-02-09	155	128	5.7	.49	7.5	2.2
		112GLCLU	81-08-04	155	176	5.5	.34	11	3.3
		112GLCLU	82-01-02	155	99	5.6	.13	5.9	2.1
		112GLCLU	82-01-13	155	--	--	--	--	--
		112GLCLU	82-02-17	155	--	--	--	--	--
		112GLCLU	82-03-16	155	--	--	--	--	--
		112GLCLU	82-04-09	155	90	6.6	.32	6.1	1.5
		112GLCLU	82-04-20	155	--	--	--	--	--
		112GLCLU	82-06-10	155	--	--	--	--	--
		112GLCLU	82-07-14	155	170	5.8	.20	11	3.2
		112GLCLU	82-07-15	155	--	--	--	--	--
		112GLCLU	82-08-26	155	--	--	--	--	--

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	CHLORIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)
80-09-17	13	2.2	15	14	--	6.4	<.010	<.010	--	<5	60	--
81-02-09	10	1.8	13	9.5	--	4.3	<.010	<.010	--	--	--	--
81-08-04	13	2.4	13	17	<.1	6.1	<.010	<.010	--	--	--	--
82-01-02	7.4	1.2	10	13	--	1.1	<.010	.140	--	--	--	--
82-01-13	--	--	--	--	--	1.5	--	--	--	--	--	--
82-02-17	--	--	--	--	--	1.1	--	--	--	--	--	--
82-03-16	--	--	--	--	--	2.7	--	--	--	--	--	--
82-04-09	7.3	1.0	17	6.5	<.1	1.8	<.010	<.010	--	--	--	--
82-04-20	--	--	--	--	--	2.7	--	--	--	--	--	--
82-06-10	--	--	--	--	--	5.1	--	--	--	--	--	--
82-07-14	14	2.5	14	14	--	6.5	<.010	<.010	--	<5	--	--
82-07-15	--	--	--	--	--	6.2	--	--	--	--	--	--
82-08-26	--	--	--	--	--	3.1	--	--	--	--	--	--

DATE OF SAMPLE	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
80-09-17	--	30	50	--	180	--	--	--	60
81-02-09	--	50	50	--	120	--	<2	--	<10
81-08-04	--	110	<10	--	200	--	--	--	70
82-01-02	--	60	<30	--	<10	--	<2	--	10
82-01-13	--	--	--	--	--	--	--	--	--
82-02-17	--	--	--	--	--	--	--	--	--
82-03-16	--	--	--	--	--	--	--	--	--
82-04-09	--	20	<30	--	10	--	--	--	40
82-04-20	--	--	--	--	--	--	--	--	--
82-06-10	--	--	--	--	--	--	--	--	--
82-07-14	--	40	60	--	230	--	--	--	420
82-07-15	--	--	--	--	--	--	--	--	--
82-08-26	--	--	--	--	--	--	--	--	--

WATER QUALITY DATA, SEPTEMBER 1980 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH LAB (UNITS)	TUR-BID-ITY (NTU)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
405413072232901	S 17474 SCWA LONG SPRING	112GLCLU	80-09-08	103	--	--	.28	23	7.2
		112GLCLU	81-01-19	103	270	6.2	.14	28	8.4
		112GLCLU	81-08-10	103	262	5.7	.09	29	8.8
		112GLCLU	82-01-02	103	270	5.8	.72	26	8.3
		112GLCLU	82-01-12	103	--	--	--	--	--
		112GLCLU	82-02-10	103	--	--	--	--	--
		112GLCLU	82-03-11	103	--	--	--	--	--
		112GLCLU	82-04-14	103	--	--	--	--	--
		112GLCLU	82-04-22	103	255	6.1	.15	28	9.1
		112GLCLU	82-05-12	103	--	--	--	--	--
		112GLCLU	82-06-08	103	--	--	--	--	--
		112GLCLU	82-07-13	103	--	--	--	--	--
		112GLCLU	82-08-01	103	280	5.8	.17	28	9.3
		112GLCLU	82-08-11	103	--	--	--	--	--
		112GLCLU	82-09-01	103	--	--	--	--	--
404933073060301	S 17630 SCWA SAMUEL ST.2	112GLCLU	80-09-18	178	263	--	.19	15	6.2

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)
80-09-08	8.7	1.7	13	18	--	6.2	<.010	<.010	--	--	40	--
81-01-19	9.2	1.9	13	19	--	7.1	<.010	<.010	--	--	--	--
81-08-10	9.6	2.0	11	20	--	6.7	<.010	<.010	--	--	--	--
82-01-02	9.6	2.1	11	19	--	6.5	<.010	<.010	--	--	--	--
82-01-12	--	--	--	20	--	6.8	--	--	--	--	--	--
82-02-10	--	--	--	18	--	6.4	--	--	--	--	--	--
82-03-11	--	--	--	21	--	7.0	--	--	--	--	--	--
82-04-14	--	--	--	20	--	6.8	--	--	--	--	--	--
82-04-22	9.6	2.0	10	20	<.1	6.8	<.010	<.010	--	--	--	--
82-05-12	--	--	--	20	--	7.6	--	--	--	--	--	--
82-06-08	--	--	--	19	--	5.1	--	--	--	--	--	--
82-07-13	--	--	--	20	--	9.9	--	--	--	--	--	--
82-08-01	9.2	2.1	12	19	--	6.7	<.010	<.050	--	<5	--	--
82-08-11	--	--	--	20	--	6.7	--	--	--	--	--	--
82-09-01	--	--	--	20	--	6.5	--	--	--	--	--	--
80-09-18	22	2.1	24	27	--	8.3	<.010	.040	--	<5	<20	--

DATE OF SAMPLE	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
80-09-08	--	50	50	--	<10	--	--	--	110
81-01-19	--	60	<30	--	50	--	<7	--	30
81-08-10	--	50	<30	--	50	--	--	--	40
82-01-02	--	80	30	--	30	--	<2	--	20
82-01-12	--	--	--	--	--	--	--	--	--
82-02-10	--	--	--	--	--	--	--	--	--
82-03-11	--	--	--	--	--	--	--	--	--
82-04-14	--	--	--	--	--	--	--	--	--
82-04-22	--	50	40	--	40	--	--	--	10
82-05-12	--	--	--	--	--	--	--	--	--
82-06-08	--	--	--	--	--	--	--	--	--
82-07-13	--	--	--	--	--	--	--	--	--
82-08-01	--	30	<30	--	20	--	--	--	50
82-08-11	--	--	--	--	--	--	--	--	--
82-09-01	--	--	--	--	--	--	--	--	--
80-09-18	--	180	100	--	160	--	--	--	<10

WATER QUALITY DATA, SEPTEMBER 1980 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH LAB (UNITS)	TUR-BID-ITY (NTU)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
405449073025601	S 17689 SCWA JAYNE BLVD.	211MGTY	80-09-21	543	41	--	.09	3.0	.9
		211MGTY	80-11-30	543	39	6.7	.11	2.6	.8
		211MGTY	81-04-26	543	38	7.2	.11	3.6	.9
		211MGTY	81-09-23	543	54	6.4	.35	4.6	1.5
		211MGTY	82-03-01	543	47	6.4	.13	3.4	1.1
		211MGTY	82-05-25	543	41	6.5	.17	2.5	.8
		211MGTY	82-08-11	543	40	6.2	.09	2.8	.9

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)
80-09-21	3.1	.3	14	4.0	<.1	.10	<.010	<.010	--	--	--	<1
80-11-30	3.0	.3	11	4.5	--	.05	<.010	<.010	--	<5	<20	--
81-04-26	3.4	.3	13	6.0	--	.21	<.010	<.010	--	--	--	--
81-09-23	4.1	.5	19	3.5	<.1	.82	<.010	.420	--	--	--	--
82-03-01	3.5	.4	15	5.0	--	.43	<.010	<.010	--	--	--	--
82-05-25	3.2	.3	12	4.0	<.1	.18	<.010	<.010	--	--	--	--
82-08-11	3.4	.4	14	5.0	--	.25	<.010	.400	--	<5	--	--

DATE OF SAMPLE	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
80-09-21	--	10	60	<5	20	--	--	--	10
80-11-30	--	10	<10	--	<10	--	--	--	<10
81-04-26	--	20	80	--	<10	--	<2	--	130
81-09-23	--	<20	40	--	10	--	--	--	130
82-03-01	--	10	<30	--	<10	--	<2	--	10
82-05-25	--	10	40	--	10	--	--	--	<10
82-08-11	--	<20	40	--	<10	--	--	--	30

WATER QUALITY DATA, SEPTEMBER 1980 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH LAB (UNITS)	TUR-BID-ITY (NTU)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
404233073204101	S 18003 SCWA SAWYER AVE.	211MGTY	80-12-21	668	25	5.2	.10	.5	.3
		211MGTY	81-07-29	668	26	4.7	2.0	1.1	.4
		211MGTY	81-12-28	668	27	4.0	.65	1.0	.3
		211MGTY	82-01-10	668	--	--	--	--	--
		211MGTY	82-02-25	668	23	4.3	.18	1.1	.2
		211MGTY	82-03-30	668	--	--	--	--	--
		211MGTY	82-04-27	668	--	--	--	--	--
		211MGTY	82-05-26	668	--	--	--	--	--
		211MGTY	82-06-29	668	--	--	--	--	--
		211MGTY	82-07-26	668	--	--	--	--	--
		211MGTY	82-07-27	668	49	4.5	.63	.6	.2
		211MGTY	82-08-26	668	--	--	--	--	--
		211MGTY	82-09-28	668	--	--	--	--	--
		211MGTY	82-09-29	668	24	4.6	1.4	.8	.3

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)
80-12-21	2.0	.3	1	2.5	--	<.01	<.010	<.010	--	--	<20	--
81-07-29	2.1	.4	5	3.5	--	.11	<.010	<.010	--	--	--	--
81-12-28	2.2	.3	2	3.0	<.1	<.01	<.010	<.010	--	--	--	--
82-01-10	--	--	--	--	--	--	--	--	--	--	--	--
82-02-25	2.4	.3	4	3.0	--	<.05	<.010	<.010	--	--	--	--
82-03-30	--	--	--	--	--	--	--	--	<.010	--	--	--
82-04-27	--	--	--	--	--	--	--	--	--	--	--	--
82-05-26	--	--	--	--	--	--	--	--	--	--	--	--
82-06-29	--	--	--	--	--	--	--	--	--	--	--	--
82-07-26	--	--	--	--	--	--	--	--	--	--	--	--
82-07-27	2.0	.3	4	2.5	<.1	<.01	<.010	<.010	--	--	--	--
82-08-26	--	--	--	--	--	--	--	--	.030	--	--	--
82-09-28	--	--	--	--	--	--	--	--	.090	--	--	--
82-09-29	2.2	.3	4	3.5	--	<.05	<.010	<.010	--	<5	--	--

DATE OF SAMPLE	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
80-12-21	--	40	350	--	<10	--	--	--	10
81-07-29	--	60	680	--	30	--	<2	--	100
81-12-28	--	30	410	--	<10	--	--	--	140
82-01-10	--	--	260	--	--	--	--	--	--
82-02-25	--	30	--	--	<10	--	--	--	<20
82-03-30	--	--	550	--	--	--	--	--	--
82-04-27	--	--	320	--	--	--	--	--	--
82-05-26	--	--	350	--	--	--	--	--	--
82-06-29	--	--	330	--	--	--	--	--	--
82-07-26	--	--	340	--	--	--	--	--	--
82-07-27	--	20	360	--	20	--	--	--	70
82-08-26	--	--	530	--	--	--	--	--	--
82-09-28	--	--	460	--	--	--	--	--	--
82-09-29	--	50	1140	--	<20	--	--	--	50

WATER QUALITY DATA, SEPTEMBER 1980 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH LAB (UNITS)	TUR-BID-ITY (NTU)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
404707073190401	S 18261 SCWA PLYMOUTH ST	211MGTY	80-12-22	377	93	7.0	.14	--	1.1
		211MGTY	81-07-21	377	77	5.2	.16	4.4	2.1
		211MGTY	81-12-28	377	74	4.8	.15	2.4	1.7
		211MGTY	82-02-23	377	50	5.0	.18	2.9	1.0
404528073150501	S 18566 SCWA EAST FORKS	211MGTY	80-10-29	65	40	6.6	.12	2.4	.7
		211MGTY	81-03-08	65	42	6.0	.36	3.0	--
		211MGTY	82-02-08	65	--	--	--	--	--
		211MGTY	82-03-08	65	--	--	--	--	--
		211MGTY	82-04-12	65	38	6.8	.21	1.8	.8
		211MGTY	82-04-13	65	--	--	--	--	--
		211MGTY	82-05-10	65	--	--	--	--	--
		211MGTY	82-06-03	65	--	--	--	--	--
		211MGTY	82-07-06	65	--	--	--	--	--
		211MGTY	82-07-15	65	53	5.4	.47	3.3	1.1
		211MGTY	82-08-03	65	--	--	--	--	--
		211MGTY	82-09-07	65	--	--	--	--	--
		211MGTY	82-09-29	65	45	5.9	.16	2.3	.8

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)
80-12-22	4.1	.5	29	7.5	--	1.1	<.010	<.010	--	--	<20	--
81-07-21	6.5	.7	12	8.5	--	2.6	<.010	<.010	--	--	--	--
81-12-28	6.5	.6	9	7.5	<.1	2.7	<.010	<.010	--	--	--	--
82-02-23	4.9	.5	8	5.0	--	1.7	<.010	<.010	--	--	--	--
80-10-29	3.4	.4	8	5.0	--	.04	<.010	<.010	--	<1	<30	--
81-03-08	3.4	.4	9	7.0	--	<.01	<.010	.310	--	--	--	--
82-02-08	--	--	--	--	--	--	--	--	--	--	--	--
82-03-08	--	--	--	--	--	--	--	--	--	--	--	--
82-04-12	3.6	.4	7	3.0	--	<.01	<.010	<.010	--	--	--	--
82-04-13	--	--	--	--	--	--	--	--	--	--	--	--
82-05-10	--	--	--	--	--	--	--	--	--	--	--	--
82-06-03	--	--	--	--	--	--	--	--	--	--	--	--
82-07-06	--	--	--	--	--	--	--	--	--	--	--	--
82-07-15	4.3	.5	9	5.5	<.1	.12	<.010	<.010	--	--	--	--
82-08-03	--	--	--	--	--	--	--	--	--	--	--	--
82-09-07	--	--	--	--	--	--	--	--	--	--	--	--
82-09-29	4.0	.3	9	5.0	--	.08	<.010	<.010	--	<5	--	--

DATE OF SAMPLE	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
80-12-22	--	80	120	--	<10	--	--	--	<10
81-07-21	--	190	40	--	20	--	--	--	110
81-12-28	--	270	120	--	<10	--	--	--	<20
82-02-23	--	70	<30	--	<30	--	--	--	90
80-10-29	--	50	<10	--	20	--	--	--	<10
81-03-08	--	<20	850	--	<20	--	--	--	60
82-02-08	--	--	<30	--	<10	--	--	--	--
82-03-08	--	--	<30	--	20	--	--	--	--
82-04-12	--	40	<30	--	<10	--	--	--	<10
82-04-13	--	--	40	--	<10	--	--	--	--
82-05-10	--	--	30	--	20	--	--	--	--
82-06-03	--	--	30	--	50	--	--	--	--
82-07-06	--	--	<30	--	20	--	--	--	--
82-07-15	--	200	360	--	10	--	--	--	170
82-08-03	--	--	230	--	30	--	--	--	--
82-09-07	--	--	<30	--	10	--	--	--	--
82-09-29	--	100	40	--	10	--	--	--	20

WATER QUALITY DATA, SEPTEMBER 1980 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH LAB (UNITS)	TUR-BID-ITY (NTU)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
404704073190401	S 18621 SCWA PLYMOUTH ST	112GLCLU	80-12-22	201	85	6.3	.22	3.8	2.2
		112GLCLU	81-07-20	201	54	5.1	.80	2.8	1.4
		112GLCLU	81-11-17	201	75	5.2	.12	3.6	2.3
		112GLCLU	82-02-23	201	72	5.2	.31	4.4	1.8
		112GLCLU	82-07-28	201	84	5.4	.14	3.4	2.2
410310071570001	S 18762	112GLCLU	80-10-15	167	187	6.5	.43	7.1	3.9
		112GLCLU	81-04-02	167	193	6.6	.26	8.0	4.1
		112GLCLU	81-08-17	167	295	6.4	.37	8.9	5.7
		112GLCLU	82-02-16	167	216	6.0	.53	7.8	4.7
		112GLCLU	82-05-26	167	230	6.4	.96	9.6	4.7
		112GLCLU	82-08-23	167	370	6.5	1.9	11	7.3

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)
80-12-22	6.2	.6	1	9.0	--	2.7	<.010	<.010	--	--	<20	--
81-07-20	4.4	.5	--	6.0	--	1.6	<.010	<.010	--	--	--	--
81-11-17	7.0	.7	10	9.5	<.1	3.2	<.010	.230	--	--	--	--
82-02-23	6.0	.6	12	6.0	--	2.3	<.010	<.010	--	--	--	--
82-07-28	7.2	.6	11	8.0	<.1	2.9	<.010	<.010	--	--	--	--
80-10-15	22	1.4	26	34	--	.30	<.010	<.010	--	--	50	--
81-04-02	21	1.3	27	33	--	.38	--	<.050	<.100	--	--	--
81-08-17	37	1.9	30	66	--	.44	.010	<.010	--	--	--	--
82-02-16	28	1.9	29	40	--	.29	<.120	<.010	--	--	--	--
82-05-26	28	1.8	37	44	<.1	.38	<.010	<.010	--	--	--	--
82-08-23	55	2.5	30	92	--	.51	<.010	<.010	--	<5	--	--

DATE OF SAMPLE	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
80-12-22	--	170	<10	--	<10	--	--	--	<10
81-07-20	--	250	170	--	20	--	--	--	40
81-11-17	--	<10	<30	--	<10	--	--	--	20
82-02-23	--	150	30	--	<10	--	--	--	170
82-07-28	--	110	<30	--	10	--	--	--	<20
80-10-15	--	<10	80	--	<10	--	--	--	<10
81-04-02	--	110	120	--	30	--	--	--	30
81-08-17	--	30	280	--	50	--	--	--	<20
82-02-16	--	40	140	--	20	--	--	--	70
82-05-26	--	10	110	--	40	--	--	--	140
82-08-23	--	40	420	--	70	--	--	--	60

WATER QUALITY DATA, SEPTEMBER 1980 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County water Authority.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH LAB (UNITS)	TUR-BID-ITY (NTU)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
404301073161901	S 19048 SCWA UNION ST	112GLCLU	80-10-26	731	30	4.6	.75	1.3	.5
		112GLCLU	81-03-06	731	36	5.0	.15	.5	.4
		112GLCLU	81-08-18	731	23	5.0	.11	1.1	.4
		112GLCLU	82-01-24	731	29	4.5	.15	.6	.3
		112GLCLU	82-01-25	731	--	--	--	--	--
		112GLCLU	82-02-23	731	--	--	--	--	--
		112GLCLU	82-03-22	731	--	--	--	--	--
		112GLCLU	82-04-27	731	--	--	--	--	--
		112GLCLU	82-05-03	731	66	4.5	.39	.7	.3
		112GLCLU	82-06-23	731	--	--	--	--	--
		112GLCLU	82-07-27	731	--	--	--	--	--
		112GLCLU	82-08-02	731	27	4.4	.17	.6	.4
		112GLCLU	82-08-26	731	--	--	--	--	--
		112GLCLU	82-09-27	731	--	--	--	--	--
405356073275801	S 19198 SCWA WEST NECK R	211LLYD	81-11-19	431	47	6.4	--	3.5	1.0

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)
80-10-26	2.4	.5	4	3.5	--	<.01	<.010	<.010	--	--	<20	--
81-03-06	3.8	.5	5	3.5	--	<.10	<.050	<.050	2.04	--	--	--
81-08-18	2.8	.5	3	6.0	<.1	<.05	<.010	<.010	--	--	--	--
82-01-24	3.7	.5	4	4.0	--	<.05	<.010	<.010	.510	--	--	--
82-01-25	--	--	--	--	--	--	--	--	.160	--	--	--
82-02-23	--	--	--	--	--	--	--	--	.090	--	--	--
82-03-22	--	--	--	--	--	--	--	--	.400	--	--	--
82-04-27	--	--	--	--	--	--	--	--	.080	--	--	--
82-05-03	7.7	.5	7	4.0	<.1	.07	<.010	<.010	1.38	--	--	--
82-06-23	--	--	--	--	--	--	--	--	.080	--	--	--
82-07-27	--	--	--	--	--	--	--	--	<.010	--	--	--
82-08-02	3.3	.5	6	2.0	--	<.01	<.010	<.010	.090	<5	--	--
82-08-26	--	--	--	--	--	--	--	--	--	--	--	--
82-09-27	--	--	--	--	--	--	--	--	.190	--	--	--
81-11-19	3.8	.7	11	4.0	<.1	.28	<.010	.810	--	--	--	--

DATE OF SAMPLE	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
80-10-26	--	50	360	--	<10	--	--	--	20
81-03-06	<10	40	410	--	30	--	--	--	<10
81-08-18	--	70	270	--	<10	--	--	--	30
82-01-24	--	10	420	--	<10	--	--	--	30
82-01-25	--	--	340	--	--	--	--	--	--
82-02-23	--	--	770	--	--	--	--	--	--
82-03-22	--	--	470	--	--	--	--	--	--
82-04-27	--	--	510	--	--	--	--	--	--
82-05-03	--	40	290	--	10	--	--	--	<20
82-06-23	--	--	400	--	--	--	--	--	--
82-07-27	--	--	370	--	--	--	--	--	--
82-08-02	--	50	220	--	<10	--	--	--	20
82-08-26	--	--	370	--	--	--	--	--	--
82-09-27	--	--	300	--	--	--	--	--	--
81-11-19	--	180	240	--	100	--	--	--	150

WATER QUALITY DATA, SEPTEMBER 1980 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH LAB (UNITS)	TUR-BID-ITY (NTU)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
404921073122701	S 19399 SCWA WHEELER RD.	112GLCLU	80-09-29	131	225	--	.13	13	3.7
		112GLCLU	81-02-25	131	250	6.0	.13	15	3.8
		112GLCLU	81-08-24	131	225	5.8	.20	14	3.5
		112GLCLU	82-01-18	131	215	5.7	.26	12	3.3
		112GLCLU	82-01-19	131	--	--	--	--	--
		112GLCLU	82-03-16	131	--	--	--	--	--
		112GLCLU	82-04-21	131	225	5.6	.14	12	3.3
		112GLCLU	82-04-27	131	--	--	--	--	--
		112GLCLU	82-05-17	131	--	--	--	--	--
		112GLCLU	82-06-15	131	--	--	--	--	--
		112GLCLU	82-07-13	131	--	--	--	--	--
		112GLCLU	82-07-20	131	225	5.7	.15	12	3.2
		112GLCLU	82-08-12	131	--	--	--	--	--

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)
80-09-29	24	2.2	23	36	--	2.9	<.010	.460	--	<5	50	--
81-02-25	24	2.4	18	38	--	3.4	<.050	.520	--	--	--	--
81-08-24	20	2.6	23	33	<.1	3.8	<.010	.930	--	--	--	--
82-01-18	24	2.4	22	36	--	3.6	<.010	.320	--	--	--	--
82-01-19	--	--	--	--	--	--	--	--	--	--	--	--
82-03-16	--	--	--	34	--	3.4	--	--	--	--	--	--
82-04-21	22	2.5	20	33	<.1	3.5	<.010	.220	--	--	--	--
82-04-27	--	--	--	36	--	3.4	--	--	--	--	--	--
82-05-17	--	--	--	33	--	3.6	--	--	--	--	--	--
82-06-15	--	--	--	--	--	2.4	--	--	--	--	--	--
82-07-13	--	--	--	35	--	--	--	--	--	--	--	--
82-07-20	22	2.2	17	35	--	3.7	<.010	.310	--	<5	--	--
82-08-12	--	--	--	35	--	4.0	--	--	--	--	--	--

DATE OF SAMPLE	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
80-09-29	--	60	50	--	40	--	--	--	<10
81-02-25	<10	100	60	--	40	--	--	--	140
81-08-24	--	110	<30	--	30	--	--	--	60
82-01-18	--	90	110	--	30	--	--	--	730
82-01-19	--	--	<30	--	20	--	--	--	--
82-03-16	--	--	<30	--	<30	--	--	--	--
82-04-21	--	30	<30	--	<30	--	--	--	10
82-04-27	--	--	40	--	20	--	--	--	--
82-05-17	--	--	<30	--	20	--	--	--	--
82-06-15	--	--	<30	--	20	--	--	--	--
82-07-13	--	--	80	--	10	--	--	--	--
82-07-20	--	70	90	--	20	--	--	--	250
82-08-12	--	--	<30	--	20	--	--	--	--

WATER QUALITY DATA, SEPTEMBER 1980 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH LAB (UNITS)	TUR-BID-ITY (NTU)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
404953072583601	S 19408 SCWA RACE AVE.2	112GLCLU	80-12-11	166	109	7.1	.09	8.7	2.5
		112GLCLU	81-02-08	166	92	6.4	.13	7.5	2.2
		112GLCLU	81-08-05	166	128	5.8	.17	8.6	3.2
		112GLCLU	82-01-02	166	120	6.1	.50	10	2.7
		112GLCLU	82-01-14	166	--	--	--	--	--
		112GLCLU	82-02-17	166	--	--	--	--	--
		112GLCLU	82-03-18	166	--	--	--	--	--
		112GLCLU	82-04-01	166	--	--	--	--	--
		112GLCLU	82-04-10	166	91	6.6	.20	6.4	2.4
		112GLCLU	82-05-21	166	--	--	--	--	--
		112GLCLU	82-06-16	166	--	--	--	--	--
		112GLCLU	82-07-13	166	112	6.2	.26	7.2	2.8
		112GLCLU	82-07-14	166	--	--	--	--	--
		112GLCLU	82-08-11	166	--	--	--	--	--
		112GLCLU	82-09-08	166	--	--	--	--	--

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)
80-12-11	5.0	.6	25	6.0	--	.87	<.010	<.010	--	<5	<30	--
81-02-08	5.4	.7	19	6.0	--	1.9	<.010	<.010	--	--	--	--
81-08-05	9.0	1.2	17	12	<.1	3.1	.130	<.010	--	--	--	--
82-01-02	7.5	1.0	23	10	--	1.8	<.010	<.010	--	--	--	--
82-01-14	--	--	--	--	--	1.9	--	--	--	--	--	--
82-02-17	--	--	--	--	--	1.9	--	--	--	--	--	--
82-03-18	--	--	--	--	--	1.8	--	--	--	--	--	--
82-04-01	--	--	--	--	--	1.8	--	--	--	--	--	--
82-04-10	5.6	.8	21	6.0	<.1	1.8	<.010	<.010	--	--	--	--
82-05-21	--	--	--	--	--	3.0	--	--	--	--	--	--
82-06-16	--	--	--	--	--	2.1	--	--	--	--	--	--
82-07-13	7.9	1.0	18	8.0	--	3.1	<.010	<.010	--	<5	--	--
82-07-14	--	--	--	--	--	2.9	--	--	--	--	--	--
82-08-11	--	--	--	--	--	4.0	--	--	--	--	--	--
82-09-08	--	--	--	--	--	3.7	--	--	--	--	--	--

DATE OF SAMPLE	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
80-12-11	--	30	<10	--	<10	--	--	--	<10
81-02-08	--	30	50	--	20	--	--	--	490
81-08-05	--	60	20	--	60	--	--	--	100
82-01-02	--	30	170	--	<10	--	--	--	20
82-01-14	--	--	--	--	--	--	--	--	--
82-02-17	--	--	--	--	--	--	--	--	--
82-03-18	--	--	--	--	--	--	--	--	--
82-04-01	--	--	--	--	--	--	--	--	--
82-04-10	--	<20	<30	--	20	--	--	--	90
82-05-21	--	--	--	--	--	--	--	--	--
82-06-16	--	--	--	--	--	--	--	--	--
82-07-13	--	30	50	--	60	--	--	--	10
82-07-14	--	--	--	--	--	--	--	--	--
82-08-11	--	--	--	--	--	--	--	--	--
82-09-08	--	--	--	--	--	--	--	--	--

WATER QUALITY DATA, SEPTEMBER 1980 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH LAB (UNITS)	TUR-BID-ITY (NTU)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
405443073064501	S 19465 SCWA DAN WEBSTER	112GLCLU	80-11-04	178	134	6.2	.15	9.4	3.8
		112GLCLU	81-03-18	178	136	6.5	.15	8.8	3.5
		112GLCLU	82-01-12	178	--	--	--	--	--
		112GLCLU	82-01-22	178	116	6.0	.15	6.9	3.1
		112GLCLU	82-02-09	178	--	--	--	--	--
		112GLCLU	82-03-15	178	--	--	--	--	--
		112GLCLU	82-04-19	178	--	--	--	--	--
		112GLCLU	82-05-09	178	112	6.3	.37	6.4	2.8
		112GLCLU	82-05-10	178	--	--	--	--	--
		112GLCLU	82-06-14	178	--	--	--	--	--
		112GLCLU	82-07-27	178	--	--	--	--	--
		112GLCLU	82-08-01	178	--	--	--	--	--
		112GLCLU	82-08-05	178	108	5.8	.11	6.4	2.9
		112GLCLU	82-09-09	178	--	--	--	--	--

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)
80-11-04	9.0	.7	19	12	--	4.2	<.010	<.010	--	<5	<20	--
81-03-18	9.0	.7	21	13	--	4.0	<.010	<.010	--	--	--	--
82-01-12	--	--	--	--	--	3.6	--	--	--	--	--	--
82-01-22	8.4	.7	18	13	--	3.4	<.010	<.010	--	--	--	--
82-02-09	--	--	--	--	--	1.7	--	--	--	--	--	--
82-03-15	--	--	--	--	--	3.3	--	--	--	--	--	--
82-04-19	--	--	--	13	--	4.8	--	--	--	--	--	--
82-05-09	8.3	.7	22	8.5	<.1	3.1	<.010	<.010	--	--	--	--
82-05-10	--	--	--	--	--	3.3	--	--	--	--	--	--
82-06-14	--	--	--	--	--	2.2	--	--	--	--	--	--
82-07-27	--	--	--	--	--	3.2	--	--	--	--	--	--
82-08-01	--	--	--	--	--	3.1	--	--	--	--	--	--
82-08-05	8.1	.7	21	11	--	3.0	<.010	<.050	--	<5	--	--
82-09-09	--	--	--	--	--	2.9	--	--	--	--	--	--

DATE OF SAMPLE	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
80-11-04	--	<10	<10	--	<10	--	--	--	30
81-03-18	--	70	80	--	20	--	--	--	70
82-01-12	--	--	--	--	--	--	--	--	--
82-01-22	--	20	<30	--	<10	--	--	--	40
82-02-09	--	--	--	--	--	--	--	--	--
82-03-15	--	--	--	--	--	--	--	--	--
82-04-19	--	--	--	--	--	--	--	--	--
82-05-09	--	20	<30	--	<10	--	--	--	100
82-05-10	--	--	--	--	--	--	--	--	--
82-06-14	--	--	--	--	--	--	--	--	--
82-07-27	--	--	--	--	--	--	--	--	--
82-08-01	--	--	--	--	--	--	--	--	--
82-08-05	--	<20	<30	--	<10	--	--	--	<20
82-09-09	--	--	--	--	--	--	--	--	--

WATER QUALITY DATA, SEPTEMBER 1980 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH LAB (UNITS)	TUR-BID-ITY (NTU)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
404550073104301	S 19565 SCWA BELLMORE AV	211MGTY	80-12-02	117	207	5.9	.11	16	3.3
		211MGTY	81-05-26	117	205	5.5	2.0	17	3.5
		211MGTY	81-10-08	117	195	5.3	.20	15	3.2
		211MGTY	82-01-26	117	--	--	--	--	--
		211MGTY	82-02-22	117	--	--	--	--	--
		211MGTY	82-03-18	117	--	--	--	--	--
		211MGTY	82-04-27	117	--	--	--	--	--
		211MGTY	82-05-13	117	--	--	--	--	--
		211MGTY	82-06-23	117	--	--	--	--	--
		211MGTY	82-07-14	117	200	5.5	.20	14	3.0
404808073113301	S 19584 SCWA HALF MILE R	112GLCLU	81-08-06	155	148	5.8	.13	13	3.4
		112GLCLU	81-12-02	155	155	5.7	.06	12	3.9
405129073071901	S 19884 SCWA SY CT #1	112GLCLU	81-01-25	288	102	6.1	.14	6.1	2.0
		112GLCLU	81-09-17	268	73	6.1	.32	6.1	2.1
		112GLCLU	82-01-07	288	--	--	--	--	--

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)
80-12-02	13	3.5	1	19	--	4.5	<.010	<.010	--	--	<20	--
81-05-26	15	4.4	10	21	--	5.2	<.010	<.010	--	--	--	--
81-10-08	14	4.1	12	20	<.1	5.6	<.010	<.010	--	--	--	--
82-01-26	--	--	--	--	--	5.5	--	--	--	--	--	--
82-02-22	--	--	--	--	--	5.5	--	--	--	--	--	--
82-03-18	--	--	--	--	--	5.5	--	--	--	--	--	--
82-04-27	--	--	--	--	--	5.2	--	--	--	--	--	--
82-05-13	--	--	--	--	--	5.4	--	--	--	--	--	--
82-06-23	--	--	--	--	--	5.6	--	--	--	--	--	--
82-07-14	14	4.3	8	16	--	5.4	<.010	<.010	--	<5	--	--
81-08-06	11	.8	26	17	--	3.6	<.010	.180	--	--	--	--
81-12-02	12	.9	25	15	<.1	3.7	<.010	<.010	--	--	--	--
81-01-25	8.3	.9	15	8.5	--	2.8	<.010	<.010	--	--	--	--
81-09-17	5.9	.7	15	8.0	--	1.2	<.010	<.010	--	--	--	--
82-01-07	--	--	--	--	--	3.7	--	--	--	--	--	--

DATE OF SAMPLE	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
80-12-02	--	90	<10	--	70	--	--	--	<10
81-05-26	--	300	<30	--	90	--	--	--	70
81-10-08	--	350	<30	--	80	--	--	--	60
82-01-26	--	--	--	--	--	--	--	--	--
82-02-22	--	--	--	--	--	--	--	--	--
82-03-18	--	--	--	--	--	--	--	--	--
82-04-27	--	--	--	--	--	--	--	--	--
82-05-13	--	--	--	--	--	--	--	--	--
82-06-23	--	--	--	--	--	--	--	--	--
82-07-14	--	20	30	--	80	--	--	--	60
81-08-06	--	40	60	--	30	--	--	--	--
81-12-02	--	40	20	--	10	--	--	--	90
81-01-25	--	10	60	--	<10	--	--	--	50
81-09-17	--	<10	190	--	<10	--	--	--	80
82-01-07	--	--	--	--	--	--	--	--	--

WATER QUALITY DATA, SEPTEMBER 1980 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH LAB (UNITS)	TUR-BID-ITY (NTU)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
405128073072001	S 19885 SCWA SY CT #2	112GLCLU	80-09-10	297	135	--	.16	8.9	3.0
		112GLCLU	81-01-22	297	148	5.7	.15	9.0	2.6
		112GLCLU	81-08-10	297	130	5.6	.36	9.4	3.0
		112GLCLU	82-03-04	297	--	--	--	--	--
		112GLCLU	82-03-15	297	140	6.1	.24	9.6	2.9
		112GLCLU	82-04-13	297	--	--	--	--	--
		112GLCLU	82-06-23	297	141	5.8	.15	7.7	2.8
		112GLCLU	82-09-07	297	138	5.8	.16	8.2	2.8
		112GLCLU	82-09-08	297	--	--	--	--	--
404634073070401	S 20045 SCWA LOCUST AVE.	112GLCLU	81-03-05	140	195	5.2	.21	11	3.8
404519073225101	S 20057 SCWA CIRCLE DR.	112GLCLU	80-12-22	200	31	5.7	.40	1.3	.4
		112GLCLU	81-07-21	200	25	--	2.4	1.5	.3
		112GLCLU	81-12-28	200	25	4.8	.28	1.4	.3
		112GLCLU	82-02-25	200	25	4.9	.24	1.1	.3

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)
80-09-10	10	.9	18	11	--	4.3	<.010	<.010	--	<5	<20	--
81-01-22	12	1.1	19	12	--	5.0	<.010	.130	--	--	--	--
81-08-10	11	1.1	16	14	<.1	4.3	<.010	<.010	--	--	--	--
82-03-04	--	--	--	--	--	4.5	--	--	--	--	--	--
82-03-15	13	1.1	18	13	--	4.6	<.010	<.010	<.010	--	--	--
82-04-13	--	--	--	--	--	4.4	--	--	--	--	--	--
82-06-23	12	1.3	18	13	<.1	3.3	<.010	--	.040	--	--	--
82-09-07	12	1.3	17	14	--	4.7	<.010	<.010	--	<5	--	--
82-09-08	--	--	--	--	--	4.8	--	--	--	--	--	--
81-03-05	17	2.2	60	27	--	4.4	<.010	.050	--	--	--	--
80-12-22	2.7	.4	5	6.5	--	.22	<.010	<.010	--	--	<20	--
81-07-21	2.8	.4	7	4.0	--	.21	.010	<.010	--	--	--	--
81-12-28	2.8	.5	7	3.0	<.1	.10	<.010	<.010	--	--	--	--
82-02-25	2.8	.5	5	3.0	--	.09	<.010	<.010	--	--	--	--

DATE OF SAMPLE	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
80-09-10	--	30	<30	--	<10	--	--	--	<10
81-01-22	--	30	300	--	<10	--	--	--	780
81-08-10	--	20	<10	--	20	--	--	--	250
82-03-04	--	--	--	--	--	--	--	--	--
82-03-15	--	20	<30	--	<20	--	--	--	50
82-04-13	--	--	--	--	--	--	--	--	--
82-06-23	--	<20	<30	--	20	--	--	--	<20
82-09-07	--	<20	30	--	10	--	--	--	<20
82-09-08	--	--	--	--	--	--	--	--	--
81-03-05	--	90	170	--	180	--	--	--	400
80-12-22	--	20	60	--	<10	--	--	--	40
81-07-21	--	50	260	--	30	--	--	--	40
81-12-28	--	60	130	--	<10	--	--	--	210
82-02-25	--	40	30	--	<10	--	--	--	20

WATER QUALITY DATA, SEPTEMBER 1980 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH LAB (UNITS)	TUR-BID-ITY (NTU)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
404516073225101	S 20300 SCWA CIRCLE DR.	211MGTY	80-12-22	232	20	5.6	.13	1.1	.2
		211MGTY	81-07-21	232	29	4.9	.10	1.9	.3
		211MGTY	81-12-29	232	19	4.5	.08	.6	.2
		211MGTY	82-02-25	232	20	5.0	.14	.8	.2
		211MGTY	82-07-28	232	21	5.5	.09	2.1	.2
404936073152501	S 20369 SCWA AUTUMN DR.	211MGTY	81-08-06	312	41	5.8	.15	2.3	.9
		211MGTY	82-01-18	312	41	5.6	.11	2.2	.9
		211MGTY	82-04-07	312	43	6.5	.18	4.7	.9
		211MGTY	82-08-07	312	42	5.5	.17	3.3	.9

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)
80-12-22	2.0	.3	5	4.5	--	<.01	<.010	<.010	--	--	<30	--
81-07-21	2.3	.4	8	3.0	--	.91	<.010	<.010	--	--	--	--
81-12-29	2.3	.3	7	2.5	<.1	<.01	<.010	<.010	--	--	--	--
82-02-25	2.3	.3	6	4.0	--	<.05	<.010	<.010	--	--	--	--
82-07-28	2.2	.4	6	2.5	<.1	<.01	<.010	<.010	--	--	--	--
81-08-06	4.4	.5	13	6.5	<.1	.70	<.010	<.010	--	--	--	--
82-01-18	4.2	.5	12	4.5	--	1.5	<.010	<.010	--	--	--	--
82-04-07	4.2	.5	13	5.0	<.1	.81	<.010	<.010	--	--	--	--
82-08-07	4.3	.5	11	5.0	--	.75	.010	<.010	--	<5	--	--

DATE OF SAMPLE	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
80-12-22	--	20	<10	--	<10	--	--	--	<10
81-07-21	--	30	40	--	20	--	--	--	--
81-12-29	--	60	150	--	<10	--	--	--	<20
82-02-25	--	40	<30	--	<10	--	--	--	120
82-07-28	--	30	40	--	<10	--	--	--	270
81-08-06	--	40	<30	--	<10	--	--	--	<20
82-01-18	--	20	<30	--	<10	--	--	--	10
82-04-07	--	20	30	--	10	--	--	--	140
82-08-07	--	30	<30	--	10	--	--	--	50

WATER QUALITY DATA, SEPTEMBER 1980 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH LAB (UNITS)	TUR-BID-ITY (NTU)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
404240073225002	S 20460 SCWA TENETY ST.	211MGTY	80-12-17	499	51	5.6	.13	1.6	.4
		211MGTY	81-07-13	499	31	4.2	.13	2.1	.4
		211MGTY	81-11-04	499	55	6.0	.28	5.7	.3
		211MGTY	82-01-05	499	--	--	--	--	--
		211MGTY	82-02-03	499	--	--	--	--	--
		211MGTY	82-03-04	499	--	--	--	--	--
		211MGTY	82-03-17	499	37	5.0	.20	.9	.3
		211MGTY	82-04-11	499	--	--	--	--	--
		211MGTY	82-05-04	499	--	--	--	--	--
		211MGTY	82-06-06	499	32	4.8	2.5	.9	.3
		211MGTY	82-06-08	499	--	--	--	--	--
		211MGTY	82-07-08	499	--	--	--	--	--
		211MGTY	82-08-03	499	--	--	--	--	--
		211MGTY	82-08-23	499	36	4.8	.12	1.0	.3
		211MGTY	82-09-22	499	--	--	--	--	--

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)
80-12-17	4.7	.3	7	5.0	--	<.01	<.010	<.010	--	--	<20	--
81-07-13	3.7	.4	4	7.0	--	<.05	<.010	<.010	--	--	--	--
81-11-04	5.2	.3	18	3.5	<.1	<.01	<.010	<.010	1.79	--	--	--
82-01-05	--	--	--	--	--	--	--	--	.390	--	--	--
82-02-03	--	--	--	--	--	--	--	--	.130	--	--	--
82-03-04	--	--	--	--	--	--	--	--	.130	--	--	--
82-03-17	4.4	.4	5	3.5	--	<.01	<.010	<.010	.480	--	--	--
82-04-11	--	--	--	--	--	--	--	--	.170	--	--	--
82-05-04	--	--	--	--	--	--	--	--	.150	--	--	--
82-06-06	3.3	.3	4	4.0	<.1	<.01	<.010	<.010	--	--	--	--
82-06-08	--	--	--	--	--	--	--	--	--	--	--	--
82-07-08	--	--	--	--	--	--	--	--	1.01	--	--	--
82-08-03	--	--	--	--	--	--	--	--	--	--	--	--
82-08-23	4.2	.4	4	4.0	--	<.05	<.010	<.010	.230	--	--	--
82-09-22	--	--	--	--	--	--	--	--	.040	--	--	--

DATE OF SAMPLE	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
80-12-17	--	130	200	--	30	--	--	--	<10
81-07-13	--	40	440	--	30	--	--	--	200
81-11-04	--	30	110	--	<10	--	--	--	10
82-01-05	--	--	880	--	--	--	--	--	--
82-02-03	--	--	460	--	--	--	--	--	--
82-03-04	--	--	650	--	--	--	--	--	--
82-03-17	--	70	590	--	30	--	--	--	70
82-04-11	--	--	540	--	--	--	--	--	--
82-05-04	--	--	470	--	--	--	--	--	--
82-06-06	--	60	950	--	40	--	--	--	110
82-06-08	--	--	990	--	--	--	--	--	--
82-07-08	--	--	600	--	--	--	--	--	--
82-08-03	--	--	470	--	--	--	--	--	--
82-08-23	--	340	300	--	20	--	--	--	<20
82-09-22	--	--	450	--	--	--	--	--	--

WATER QUALITY DATA, SEPTEMBER 1980 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENT- I- FIER	GEO- LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE- CIFIC CON- DUCT- ANCE LAB (UMHOS)	PH LAB (UNITS)	TUR- BID- ITY (NTU)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG)
404547073104201	S 20479 SCWA BELLMORE AV	112GLCLU	80-12-01	128	183	5.5	.27	14	3.3
		112GLCLU	81-05-20	128	172	5.3	.11	14	3.3
		112GLCLU	81-09-16	128	167	5.2	.25	13	3.2
		112GLCLU	82-01-25	128	--	--	--	--	--
		112GLCLU	82-02-11	128	--	--	--	--	--
		112GLCLU	82-03-12	128	--	--	--	--	--
		112GLCLU	82-04-01	128	--	--	--	--	--
		112GLCLU	82-05-20	128	--	--	--	--	--
		112GLCLU	82-07-20	128	180	6.0	.38	14	3.2
		112GLCLU	82-08-23	128	--	--	--	--	--
		112GLCLU	82-09-27	128	158	5.6	.10	15	3.2
405257073202901	S 20530 SCWA LAUREL HILL	112GLCLU	81-07-14	607	34	5.3	.19	2.6	.6
		112GLCLU	81-09-22	607	33	5.3	.08	1.5	.5
		112GLCLU	82-03-09	607	83	6.9	.19	8.4	1.0
		112GLCLU	82-06-15	607	45	5.8	.19	3.5	.7
		112GLCLU	82-09-20	607	57	6.7	.17	6.5	.6

DATE OF SAMPLE	SODIUM, TOTAL RECOV- ERABLE (MG/L AS NA)	POTAS- SIUM, TOTAL RECOV- ERABLE (MG/L AS K)	ALKA- LINITY FIELD (MG/L AS CACO3)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, TOTAL (MG/L AS F)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)
80-12-01	10	3.2	9	14	--	4.3	<.010	<.010	--	--	<20	--
81-05-20	9.4	3.1	7	13	--	4.4	<.010	<.010	--	--	--	--
81-09-16	11	3.6	8	15	<.1	5.0	<.010	<.010	--	--	--	--
82-01-25	--	--	--	--	--	4.9	--	--	--	--	--	--
82-02-11	--	--	--	--	--	4.3	--	--	--	--	--	--
82-03-12	--	--	--	--	--	3.7	--	--	--	--	--	--
82-04-01	--	--	--	--	--	.53	--	--	--	--	--	--
82-05-20	--	--	--	--	--	5.7	--	--	--	--	--	--
82-07-20	10	4.1	8	13	<.1	5.4	<.010	<.010	--	--	--	--
82-08-23	--	--	--	--	--	5.6	--	--	--	--	--	--
82-09-27	11	4.1	10	16	--	5.2	<.010	<.010	--	<5	--	--
81-07-14	3.6	.4	9	6.0	--	1.1	<.010	.160	--	--	--	--
81-09-22	3.6	.5	11	3.0	<.1	1.1	<.010	<.010	--	--	--	--
82-03-09	4.5	.5	21	6.0	--	1.8	<.010	<.010	--	--	--	--
82-06-15	4.2	.5	13	4.0	<.1	.85	<.010	<.010	--	--	--	--
82-09-20	3.6	.4	18	4.5	--	1.2	<.010	<.010	--	<5	--	--

DATE OF SAMPLE	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	SELE- NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)
80-12-01	--	100	<10	--	80	--	--	--	<10
81-05-20	--	100	40	--	90	--	--	--	30
81-09-16	--	80	<30	--	80	--	--	--	20
82-01-25	--	--	--	--	--	--	--	--	--
82-02-11	--	--	--	--	--	--	--	--	--
82-03-12	--	--	--	--	--	--	--	--	--
82-04-01	--	--	--	--	--	--	--	--	--
82-05-20	--	--	--	--	--	--	--	--	--
82-07-20	--	20	40	--	80	--	--	--	60
82-08-23	--	--	--	--	--	--	--	--	--
82-09-27	--	170	<30	--	90	--	--	--	30
81-07-14	--	150	40	--	<20	--	--	--	100
81-09-22	--	80	<30	--	<10	--	--	--	30
82-03-09	--	110	<30	--	20	--	--	--	<20
82-06-15	--	90	50	--	10	--	--	--	50
82-09-20	--	30	<30	--	20	--	--	--	<20

WATER QUALITY DATA, SEPTEMBER 1980 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH LAB (UNITS)	TUR-BID-ITY (NTU)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
404317073153601	S 20566 SCWA N FIFTH AVE	211MGTY	80-12-17	775	26	5.2	.52	.8	.3
		211MGTY	81-07-14	775	23	4.3	.18	.5	.3
		211MGTY	81-10-21	775	22	5.0	.23	.8	.3
		211MGTY	82-06-14	775	--	--	--	--	--
		211MGTY	82-07-06	775	--	--	--	--	--
		211MGTY	82-07-21	775	22	4.9	.50	.5	.3
		211MGTY	82-08-09	775	--	--	--	--	--
		211MGTY	82-09-20	775	--	--	--	--	--
405256073045601	S 20591 SCWA HAWKINS RD.	112GLCLU	82-01-06	150	--	--	--	--	--

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)
80-12-17	2.6	.3	4	5.0	--	<.01	<.010	<.010	--	--	<20	--
81-07-14	2.9	.3	4	3.5	--	<.05	<.010	<.010	--	--	--	--
81-10-21	3.2	.3	4	2.0	<.1	.01	<.010	<.010	--	--	--	--
82-06-14	--	--	--	--	--	--	--	--	<.010	--	--	--
82-07-06	--	--	--	--	--	--	--	--	--	--	--	--
82-07-21	2.9	.4	6	3.0	--	<.05	<.010	<.010	--	<5	--	--
82-08-09	--	--	--	--	--	--	--	--	--	--	--	--
82-09-20	--	--	--	--	--	--	--	--	--	--	--	--
82-01-06	--	--	--	23	--	15	--	--	--	--	--	--

DATE OF SAMPLE	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
80-12-17	--	130	340	--	<10	--	--	--	140
81-07-14	--	90	330	--	<20	--	--	--	30
81-10-21	--	80	560	--	10	--	--	--	60
82-06-14	--	--	230	--	--	--	--	--	--
82-07-06	--	--	280	--	--	--	--	--	--
82-07-21	40	10	290	--	<10	--	--	--	--
82-08-09	--	--	<30	--	--	--	--	--	--
82-09-20	--	--	220	--	--	--	--	--	--
82-01-06	--	--	--	--	--	--	--	--	--

WATER QUALITY DATA, SEPTEMBER 1980 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH LAB (UNITS)	TUR-BID-ITY (NTU)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
404504073131701	S 20603 SCWA 41 ST	112GLCLU	80-12-30	110	205	5.1	.33	12	3.4
		112GLCLU	81-07-17	110	205	5.2	.15	11	3.4
		112GLCLU	81-12-08	110	205	5.0	.13	12	3.3
		112GLCLU	82-02-10	110	--	--	--	--	--
		112GLCLU	82-03-11	110	--	--	--	--	--
		112GLCLU	82-04-12	110	190	5.3	.30	12	3.5
		112GLCLU	82-04-16	110	--	--	--	--	--
		112GLCLU	82-06-08	110	--	--	--	--	--
		112GLCLU	82-07-06	110	225	5.2	.14	13	3.7
		112GLCLU	82-07-07	110	--	--	--	--	--
		112GLCLU	82-08-09	110	--	--	--	--	--
		112GLCLU	82-09-07	110	--	--	--	--	--

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)
80-12-30	17	2.7	11	22	--	6.3	.010	.550	--	--	60	--
81-07-17	18	2.3	10	24	--	6.1	<.010	.700	--	--	--	--
81-12-08	18	2.7	12	21	<.1	5.5	<.010	.790	--	--	--	--
82-02-10	--	--	--	22	--	6.7	--	--	--	--	--	--
82-03-11	--	--	--	18	--	7.7	--	--	--	--	--	--
82-04-12	19	2.6	10	21	--	7.2	<.010	.530	--	--	--	--
82-04-16	--	--	--	22	--	--	--	--	--	--	--	--
82-06-08	--	--	--	25	--	7.3	--	--	--	--	--	--
82-07-06	21	2.9	12	24	<.1	7.4	<.010	1.00	--	--	--	--
82-07-07	--	--	--	24	--	7.8	--	--	--	--	--	--
82-08-09	--	--	--	25	--	7.5	--	--	--	--	--	--
82-09-07	--	--	--	23	--	7.3	--	--	--	--	--	--

DATE OF SAMPLE	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
80-12-30	--	50	50	--	430	--	--	--	30
81-07-17	--	70	50	--	500	--	--	--	30
81-12-08	--	40	<30	--	540	--	--	--	<20
82-02-10	--	--	--	--	560	--	--	--	--
82-03-11	--	--	--	--	520	--	--	--	--
82-04-12	--	80	<30	--	510	--	--	--	20
82-04-16	--	--	--	--	530	--	--	--	--
82-06-08	--	--	--	--	560	--	--	--	--
82-07-06	--	40	<30	--	570	--	--	--	60
82-07-07	--	--	--	--	560	--	--	--	--
82-08-09	--	--	--	--	600	--	--	--	--
82-09-07	--	--	--	--	560	--	--	--	--

WATER QUALITY DATA, SEPTEMBER 1980 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH LAB (UNITS)	TUR-BID-ITY (NTU)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
404402073193201	S 20635 SCWA AUGUST RD	211MGTY	80-12-22	704	35	5.8	.15	1.4	.6
		211MGTY	81-07-14	704	33	4.8	.40	2.3	.6
		211MGTY	81-11-15	704	34	4.5	.29	1.9	.7
		211MGTY	82-01-10	704	--	--	--	--	--
		211MGTY	82-02-04	704	37	4.5	.20	1.5	.5
		211MGTY	82-03-03	704	--	--	--	--	--
		211MGTY	82-04-05	704	--	--	--	--	--
		211MGTY	82-05-05	704	--	--	--	--	--
		211MGTY	82-06-07	704	--	--	--	--	--
		211MGTY	82-07-06	704	35	4.9	.24	1.1	.5
		211MGTY	82-07-16	704	--	--	--	--	--
		211MGTY	82-08-20	704	--	--	--	--	--
		211MGTY	82-09-07	704	--	--	--	--	--

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)
80-12-22	2.9	.5	4	6.0	--	<.01	<.010	<.010	.140	--	<30	--
81-07-14	3.3	.5	6	4.5	--	<.05	<.010	<.010	.050	--	--	--
81-11-15	3.5	.5	5	4.5	<.1	<.05	<.010	<.010	.160	--	--	--
82-01-10	--	--	--	--	--	--	--	--	.240	--	--	--
82-02-04	3.8	.6	4	4.0	--	<.05	<.010	<.010	.190	--	--	--
82-03-03	--	--	--	--	--	--	--	--	.160	--	--	--
82-04-05	--	--	--	--	--	--	--	--	.060	--	--	--
82-05-05	--	--	--	--	--	--	--	--	.040	--	--	--
82-06-07	--	--	--	--	--	--	--	--	--	--	--	--
82-07-06	3.1	.5	6	3.0	<.1	<.05	<.010	<.010	.100	--	--	--
82-07-16	--	--	--	--	--	--	--	--	.570	--	--	--
82-08-20	--	--	--	--	--	--	--	--	--	--	--	--
82-09-07	--	--	--	--	--	--	--	--	--	--	--	--

DATE OF SAMPLE	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
80-12-22	--	<10	600	--	<10	--	--	--	50
81-07-14	--	50	530	--	<20	--	--	--	140
81-11-15	--	<10	700	--	<10	--	--	--	40
82-01-10	--	--	650	--	--	--	--	--	--
82-02-04	--	40	570	--	<10	--	--	--	40
82-03-03	--	--	610	--	--	--	--	--	--
82-04-05	--	--	620	--	--	--	--	--	--
82-05-05	--	--	480	--	--	--	--	--	--
82-06-07	--	--	610	--	--	--	--	--	--
82-07-06	--	40	480	--	20	--	--	--	20
82-07-16	--	--	560	--	--	--	--	--	--
82-08-20	--	--	440	--	--	--	--	--	--
82-09-07	--	--	480	--	--	--	--	--	--

WATER QUALITY DATA, SEPTEMBER 1980 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH LAB (UNITS)	TUR-BID-ITY (NTU)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
404941072372207	S 20688 SCWA MEETING HOU	112GLCLU	80-10-20	78	91	6.0	.07	5.1	2.3
		112GLCLU	81-03-09	78	78	5.6	.16	5.3	2.3
		112GLCLU	81-08-17	78	100	6.0	.13	6.6	3.4
		112GLCLU	81-10-06	78	91	5.6	.23	5.6	2.8
		112GLCLU	82-01-02	78	71	5.4	.08	4.3	2.0
		112GLCLU	82-04-22	78	65	6.4	.15	4.4	1.9
		112GLCLU	82-07-27	78	99	6.0	.17	6.1	3.0

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)
80-10-20	5.3	.7	18	7.0	--	.90	<.010	<.010	--	<5	20	--
81-03-09	4.5	.8	13	6.5	--	1.2	<.050	<.050	--	--	--	--
81-08-17	5.9	.7	24	7.5	--	.87	<.010	<.010	--	--	--	--
81-10-06	5.6	.8	17	8.5	--	.92	<.010	<.010	--	--	--	--
82-01-02	4.4	.7	12	7.0	--	.84	<.010	<.010	--	--	--	--
82-04-22	4.5	.8	9	6.0	<.1	1.2	<.010	<.010	--	--	--	--
82-07-27	6.3	.7	22	8.5	--	.77	<.010	<.050	--	<5	--	--

DATE OF SAMPLE	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL R COV-ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
80-10-20	--	150	70	--	240	--	--	--	20
81-03-09	<10	140	30	--	40	--	--	--	20
81-08-17	--	<20	100	--	300	--	--	--	<20
81-10-06	--	20	40	--	150	--	--	--	10
82-01-02	--	110	<30	--	30	--	--	--	20
82-04-22	--	30	<30	--	<10	--	--	--	10
82-07-27	--	80	<30	--	100	--	--	--	<20

WATER QUALITY DATA, SEPTEMBER 1980 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH LAB (UNITS)	TUR-BID-ITY (NTU)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
405045073120401	S 20689 SCWA NEW YORK AV	211MGTY	80-09-25	596	--	--	.63	3.3	1.5
		211MGTY	81-02-24	596	53	6.5	.14	3.9	1.6
		211MGTY	81-08-05	596	48	6.1	.25	3.6	1.6
		211MGTY	82-02-09	596	--	--	--	--	--
		211MGTY	82-03-10	596	--	--	--	--	--
		211MGTY	82-04-13	596	--	--	--	--	--
		211MGTY	82-04-21	596	51	6.2	.23	3.5	1.6
		211MGTY	82-05-11	596	--	--	--	--	--
		211MGTY	82-06-08	596	--	--	--	--	--
		211MGTY	82-07-13	596	--	--	--	--	--
		211MGTY	82-07-15	596	47	6.5	.40	3.3	1.6
		211MGTY	82-08-11	596	--	--	--	--	--
		211MGTY	82-09-14	596	--	--	--	--	--

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)
80-09-25	3.1	.4	15	3.5	--	<.01	<.010	<.010	--	<5	<30	--
81-02-24	3.3	.5	18	3.5	--	<.10	<.050	<.050	--	--	--	--
81-08-05	3.4	.5	16	4.0	<.1	<.05	<.010	<.010	--	--	--	--
82-02-09	--	--	--	--	--	--	--	--	--	--	--	--
82-03-10	--	--	--	--	--	--	--	--	--	--	--	--
82-04-13	--	--	--	--	--	--	--	--	--	--	--	--
82-04-21	3.3	.5	17	3.5	<.1	--	<.010	.130	--	--	--	--
82-05-11	--	--	--	--	--	--	--	--	--	--	--	--
82-06-08	--	--	--	--	--	--	--	--	--	--	--	--
82-07-13	--	--	--	--	--	--	--	--	--	--	--	--
82-07-15	3.3	.6	18	2.5	--	<.05	<.010	<.010	--	<5	--	--
82-08-11	--	--	--	--	--	--	--	--	--	--	--	--
82-09-14	--	--	--	--	--	--	--	--	--	--	--	--

DATE OF SAMPLE	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
80-09-25	--	30	520	--	<10	--	--	--	20
81-02-24	<10	30	60	--	<10	--	--	--	80
81-06-05	--	20	160	--	<10	--	--	--	50
82-02-09	--	--	60	--	--	--	--	--	--
82-03-10	--	--	<30	--	10	--	--	--	--
82-04-13	--	--	60	--	<10	--	--	--	--
82-04-21	--	20	40	--	<10	--	--	--	60
82-05-11	--	--	90	--	20	--	--	--	--
82-06-08	--	--	<10	--	--	--	--	--	--
82-07-13	--	--	<30	--	<10	--	--	--	--
82-07-15	--	20	160	--	40	--	--	--	--
82-08-11	--	--	<30	--	40	--	--	--	--
82-09-14	--	--	70	--	10	--	--	--	--

WATER QUALITY DATA, SEPTEMBER 1980 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENT- I- FIER	GEO- LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE- CIFIC CON- DUCT- ANCE LAB (UMHOS)	PH LAB (UNITS)	TUR- BID- ITY (NTU)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG)
404158073212201	S 20955 SCWA ALBIN RD.	211MGTY	80-12-21	630	28	5.8	.47	.6	.3
		211MGTY	81-07-26	630	25	4.8	.24	1.8	.3
		211MGTY	81-11-18	630	23	4.5	.34	.9	.3
		211MGTY	82-01-07	630	--	--	--	--	--
		211MGTY	82-02-21	630	32	5.0	.20	1.3	.2
		211MGTY	82-02-22	630	--	--	--	--	--
		211MGTY	82-03-15	630	--	--	--	--	--
		211MGTY	82-04-13	630	--	--	--	--	--
		211MGTY	82-05-17	630	--	--	--	--	--
		211MGTY	82-06-16	630	--	--	--	--	--
		211MGTY	82-07-13	630	31	5.0	.20	1.3	.3
		211MGTY	82-08-10	630	--	--	--	--	--
		211MGTY	82-09-15	630	--	--	--	--	--

DATE OF SAMPLE	SODIUM, TOTAL RECOV- ERABLE (MG/L AS NA)	POTAS- SIUM, TOTAL RECOV- ERABLE (MG/L AS K)	ALKA- LINITY FIELD (MG/L AS CACO3)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, TOTAL (MG/L AS F)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)
80-12-21	2.3	.3	--	3.5	--	<.01	<.010	<.010	.030	--	<20	--
81-07-26	2.3	.3	3	4.0	--	<.10	<.010	<.010	--	--	--	--
81-11-18	3.5	.4	5	2.0	<.1	<.05	<.010	<.010	.530	--	--	--
82-01-07	--	--	--	--	--	--	--	--	--	--	--	--
82-02-21	4.7	.3	5	3.0	--	<.05	<.010	<.010	.900	--	--	--
82-02-22	--	--	--	--	--	--	--	--	.260	--	--	--
82-03-15	--	--	--	--	--	--	--	--	1.00	--	--	--
82-04-13	--	--	--	--	--	--	--	--	.300	--	--	--
82-05-17	--	--	--	--	--	--	--	--	.580	--	--	--
82-06-16	--	--	--	--	--	--	--	--	.030	--	--	--
82-07-13	4.7	.1	3	7.5	<.1	<.01	<.010	<.010	.380	--	--	--
82-08-10	--	--	--	--	--	--	--	--	<.100	--	--	--
82-09-15	--	--	--	--	--	--	--	--	1.11	--	--	--

DATE OF SAMPLE	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	SELE- NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)
80-12-21	--	70	460	--	20	--	--	--	30
81-07-26	--	40	470	--	<10	--	--	--	410
81-11-18	--	20	370	--	<10	--	--	--	190
82-01-07	--	--	400	--	--	--	--	--	--
82-02-21	--	20	710	--	10	--	--	--	70
82-02-22	--	--	680	--	--	--	--	--	--
82-03-15	--	--	560	--	--	--	--	--	--
82-04-13	--	--	660	--	--	--	--	--	--
82-05-17	--	--	560	--	--	--	--	--	--
82-06-16	--	--	410	--	--	--	--	--	--
82-07-13	--	30	560	--	10	--	--	--	10
82-08-10	--	--	410	--	--	--	--	--	--
82-09-15	--	--	380	--	--	--	--	--	--

WATER QUALITY DATA, SEPTEMBER 1980 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH LAB (UNITS)	TUR-BID-ITY (NTU)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
405134073235702	S 21121	112GLCLU	80-12-16	560	88	6.4	.10	5.2	1.9
		112GLCLU	81-06-16	560	92	5.9	.20	6.1	2.3
		112GLCLU	81-09-24	560	79	6.1	.16	5.2	2.0
		112GLCLU	81-09-29	560	71	6.9	.21	5.0	1.9
		112GLCLU	81-10-13	560	73	6.1	.15	5.7	2.0
		112GLCLU	82-03-22	560	88	6.3	.50	5.0	2.0
		112GLCLU	82-06-27	560	84	6.3	.10	6.9	2.0
		112GLCLU	82-08-05	560	80	5.8	.15	6.5	2.0

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)
80-12-16	5.8	.6	19	6.0	--	2.3	<.010	<.010	--	<5	<20	--
81-06-16	6.0	.6	17	7.5	--	2.2	<.010	.040	--	--	--	--
81-09-24	6.2	.6	19	8.0	--	2.4	<.010	.100	--	--	--	--
81-09-29	5.9	.6	24	5.5	--	1.7	<.010	<.010	--	--	--	--
81-10-13	6.1	.7	17	6.0	<.1	2.5	<.010	<.010	--	--	--	--
82-03-22	5.8	.6	18	7.5	--	2.6	--	<.010	--	--	--	--
82-06-27	6.0	.7	21	7.5	<.1	2.6	<.010	<.050	--	--	--	--
82-08-05	6.2	.6	18	7.5	--	2.5	<.010	<.010	--	<5	--	--

DATE OF SAMPLE	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
80-12-16	--	40	30	--	20	--	--	--	20
81-06-16	--	50	<30	--	<10	--	--	--	30
81-09-24	--	80	<30	--	<10	--	--	--	20
81-09-29	--	<20	<30	--	10	--	--	--	20
81-10-13	--	540	<30	--	<10	--	--	--	100
82-03-22	--	50	330	--	<10	--	--	--	220
82-06-27	--	70	<30	--	<10	--	--	--	110
82-08-05	--	30	<30	--	<10	--	--	--	130

WATER QUALITY DATA, SEPTEMBER 1980 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENT- I- FIER	GEO- LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE- CIFIC CON- DUCT- ANCE LAB (UMHOS)	PH LAB (UNITS)	TUR- BID- ITY (NTU)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG)
404304073162001	S 21244 SCWA UNION ST	211MGTY	80-10-27	602	44	6.1	.98	2.5	1.1
		211MGTY	81-03-09	602	38	5.7	2.2	2.8	1.1
		211MGTY	81-08-18	602	36	5.9	.15	1.9	1.0
		211MGTY	82-01-24	602	44	5.5	1.8	3.0	1.0
		211MGTY	82-01-25	602	--	--	--	--	--
		211MGTY	82-02-23	602	--	--	--	--	--
		211MGTY	82-03-23	602	--	--	--	--	--
		211MGTY	82-04-28	602	--	--	--	--	--
		211MGTY	82-05-03	602	41	6.2	2.0	1.8	1.0
		211MGTY	82-05-25	602	--	--	--	--	--
		211MGTY	82-06-23	602	--	--	--	--	--
		211MGTY	82-07-27	602	--	--	--	--	--
		211MGTY	82-08-01	602	38	6.2	1.5	2.8	1.0
		211MGTY	82-08-23	602	37	6.5	--	1.4	1.1
		211MGTY	82-09-27	602	--	--	--	--	--

DATE OF SAMPLE	SODIUM, TOTAL RECOV- ERABLE (MG/L AS NA)	POTAS- SIUM, TOTAL RECOV- ERABLE (MG/L AS K)	ALKA- LINITY FIELD (MG/L AS CACO3)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, TOTAL (MG/L AS F)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)
80-10-27	4.2	.6	13	4.0	--	<.01	<.010	<.010	--	--	<30	--
81-03-09	3.6	.6	11	3.5	--	<.10	<.050	<.050	--	--	--	--
81-08-18	3.6	.6	10	4.0	<.1	<.05	<.010	<.010	.320	--	--	--
82-01-24	3.4	.5	11	4.0	--	<.05	<.010	<.010	.180	--	--	--
82-01-25	--	--	--	--	--	--	--	--	--	--	--	--
82-02-23	--	--	--	--	--	--	--	--	.240	--	--	--
82-03-23	--	--	--	--	--	--	--	--	.450	--	--	--
82-04-28	--	--	--	--	--	--	--	--	.270	--	--	--
82-05-03	3.9	.6	11	3.5	<.1	.07	<.010	<.010	.330	--	--	--
82-05-25	--	--	--	--	--	--	--	--	--	--	--	--
82-06-23	--	--	--	--	--	--	--	--	.200	--	--	--
82-07-27	--	--	--	--	--	--	--	--	.080	--	--	--
82-08-01	3.8	.6	10	5.5	--	<.05	<.010	<.010	.210	<5	--	--
82-08-23	3.6	.3	--	4.2	--	--	.010	.020	.030	--	--	--
82-09-27	--	--	--	--	--	--	--	--	.460	--	--	--

DATE OF SAMPLE	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	SELE- NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)
80-10-27	--	30	310	--	20	--	--	--	<10
81-03-09	<10	20	730	--	30	--	--	--	100
81-08-18	--	40	260	--	<10	--	--	--	<10
82-01-24	--	40	230	--	10	--	--	--	20
82-01-25	--	--	240	--	--	--	--	--	--
82-02-23	--	--	380	--	--	--	--	--	--
82-03-23	--	--	370	--	--	--	--	--	--
82-04-28	--	--	280	--	--	--	--	--	--
82-05-03	--	20	340	--	10	--	--	--	20
82-05-25	--	--	290	--	--	--	--	--	--
82-06-23	--	--	370	--	--	--	--	--	--
82-07-27	--	--	270	--	--	--	--	--	--
82-08-01	--	50	410	--	<10	--	--	--	20
82-08-23	--	--	320	--	20	--	--	--	--
82-09-27	--	--	250	--	--	--	--	--	--

WATER QUALITY DATA, SEPTEMBER 1980 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENT- I- FIER	GEO- LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE- CIFIC CON- DUCT- ANCE LAB (UMHOS)	PH LAB (UNITS)	TUR- BID- ITY (NTU)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG)
404717072595601	S 21247 SCWA BARTON AVE.	112GLCLU	80-09-02	145	138	--	.19	8.5	2.7
		112GLCLU	81-07-23	145	139	5.4	.18	7.9	2.9
		112GLCLU	82-01-02	145	144	5.6	.62	7.9	2.8
		112GLCLU	82-04-08	145	137	5.9	.14	7.7	2.7
		112GLCLU	82-08-10	145	150	5.7	.10	9.0	3.1

DATE OF SAMPLE	SODIUM, TOTAL RECOV- ERABLE (MG/L AS NA)	POTAS- SIUM, TOTAL RECOV- ERABLE (MG/L AS K)	ALKA- LINITY FIELD (MG/L AS CACO3)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, TOTAL (MG/L AS F)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)
80-09-02	11	1.7	10	15	--	4.2	<.010	<.010	--	<5	40	--
81-07-23	11	1.8	12	15	<.1	4.6	<.010	<.010	--	--	--	--
82-01-02	13	1.9	9	18	--	5.1	<.010	<.010	--	--	--	--
82-04-08	13	2.0	11	17	<.1	4.5	<.010	<.010	--	--	--	--
82-08-10	13	1.9	10	18	--	5.2	<.010	<.010	--	<5	--	--

DATE OF SAMPLE	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	SELE- NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)
80-09-02	--	<10	70	--	50	--	--	--	<10
81-07-23	--	60	40	--	70	--	--	--	<20
82-01-02	--	90	<30	--	50	--	--	--	<20
82-04-08	--	70	<30	--	70	--	--	--	60
82-08-10	--	30	<30	--	70	--	--	--	10

WATER QUALITY DATA, SEPTEMBER 1980 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH LAB (UNITS)	TUR-BID-ITY (NTU)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
404357073181601	S 21366 SCWA HARVEST LAN	211MGTY	80-12-22	455	32	6.1	.38	2.2	.6
		211MGTY	81-07-14	455	28	5.5	.73	2.3	.6
		211MGTY	81-12-15	455	38	5.2	.65	1.5	.6
		211MGTY	82-01-26	455	--	--	--	--	--
		211MGTY	82-02-23	455	27	5.6	1.5	1.5	.6
		211MGTY	82-03-24	455	--	--	--	--	--
		211MGTY	82-04-28	455	--	--	--	--	--
		211MGTY	82-05-24	455	--	--	--	--	--
		211MGTY	82-06-29	455	--	--	--	--	--
		211MGTY	82-07-26	455	--	--	--	--	--
		211MGTY	82-07-28	455	35	5.2	.18	1.5	.6
		211MGTY	82-08-26	455	--	--	--	--	--
		211MGTY	82-09-15	455	--	--	--	--	--

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)
80-12-22	2.4	.4	8	3.5	--	<.01	<.010	<.010	--	--	<30	--
81-07-14	2.7	.4	12	4.0	--	<.05	<.010	<.010	.020	--	--	--
81-12-15	4.1	.4	12	3.0	<.1	<.05	<.010	<.010	.970	--	--	--
82-01-26	--	--	--	--	--	--	--	--	--	--	--	--
82-02-23	2.5	.4	10	2.5	--	<.06	<.010	<.010	--	--	--	--
82-03-24	--	--	--	--	--	--	--	--	.780	--	--	--
82-04-28	--	--	--	--	--	--	--	--	.050	--	--	--
82-05-24	--	--	--	--	--	--	--	--	--	--	--	--
82-06-29	--	--	--	--	--	--	--	--	.220	--	--	--
82-07-26	--	--	--	--	--	--	--	--	.260	--	--	--
82-07-28	4.6	.4	10	2.0	<.1	<.01	<.010	<.010	.460	--	--	--
82-08-26	--	--	--	--	--	--	--	--	.090	--	--	--
82-09-15	--	--	--	--	--	--	--	--	.750	--	--	--

DATE OF SAMPLE	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
80-12-22	--	<10	490	--	<10	--	--	--	60
81-07-14	--	<20	420	--	20	--	--	--	70
81-12-15	--	90	340	--	20	--	--	--	20
82-01-26	--	--	480	--	--	--	--	--	--
82-02-23	--	30	380	--	<10	--	--	--	30
82-03-24	--	--	530	--	--	--	--	--	--
82-04-28	--	--	390	--	--	--	--	--	--
82-05-24	--	--	320	--	--	--	--	--	--
82-06-29	--	--	370	--	--	--	--	--	--
82-07-26	--	--	400	--	--	--	--	--	--
82-07-28	--	40	420	--	20	--	--	--	20
82-08-26	--	--	400	--	--	--	--	--	--
82-09-15	--	--	400	--	--	--	--	--	--

WATER QUALITY DATA, SEPTEMBER 1980 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH LAB (UNITS)	TUR-BID-ITY (NTU)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
404220073190302	S 21375 SCWA SMITH ST.	211MGTY	80-12-21	500	33	6.2	.98	.7	.5
		211MGTY	81-07-21	500	28	4.8	4.3	3.0	.6
		211MGTY	81-11-15	500	30	4.6	4.5	3.5	.5
		211MGTY	82-01-10	500	--	--	--	--	--
		211MGTY	82-02-16	500	30	4.5	.66	.7	.4
		211MGTY	82-03-09	500	--	--	--	--	--
		211MGTY	82-04-13	500	--	--	--	--	--
		211MGTY	82-05-11	500	--	--	--	--	--
		211MGTY	82-06-21	500	--	--	--	--	--
		211MGTY	82-07-12	500	29	4.9	2.4	4.1	.6
		211MGTY	82-08-12	500	--	--	--	--	--
		211MGTY	82-09-22	500	28	5.9	1.8	.8	.5

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)
80-12-21	3.2	.4	4	3.0	--	<.01	<.010	<.010	--	--	<20	--
81-07-21	3.3	.5	9	3.5	--	<.10	<.010	<.010	--	--	--	--
81-11-15	3.1	.7	5	5.0	<.1	<.05	<.010	<.010	--	--	--	--
82-01-10	--	--	--	--	--	--	--	--	--	--	--	--
82-02-16	3.2	.4	6	2.0	--	<.01	<.010	<.010	--	--	--	--
82-03-09	--	--	--	--	--	--	--	--	1.45	--	--	--
82-04-13	--	--	--	--	--	--	--	--	<.010	--	--	--
82-05-11	--	--	--	--	--	--	--	--	--	--	--	--
82-06-21	--	--	--	--	--	--	--	--	.100	--	--	--
82-07-12	3.1	.5	5	5.0	<.1	<.01	<.010	<.010	--	--	--	--
82-08-12	--	--	--	--	--	--	--	--	.230	--	--	--
82-09-22	3.2	.4	6	2.5	--	<.05	<.010	<.010	.060	<5	--	--

DATE OF SAMPLE	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
80-12-21	--	20	380	--	20	--	--	--	<10
81-07-21	--	50	760	--	30	--	--	--	200
81-11-15	--	20	480	--	<10	--	--	--	--
82-01-10	--	--	280	--	--	--	--	--	--
82-02-16	--	<20	330	--	<10	--	--	--	<20
82-03-09	--	--	370	--	--	--	--	--	--
82-04-13	--	--	400	--	--	--	--	--	--
82-05-11	--	--	360	--	--	--	--	--	--
82-06-21	--	--	400	--	--	--	--	--	--
82-07-12	--	150	450	--	<10	--	--	--	--
82-08-12	--	--	320	--	--	--	--	--	--
82-09-22	--	<20	360	--	20	--	--	--	<20

WATER QUALITY DATA, SEPTEMBER 1980 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENT- I- FIER	GEO- LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE- CIFIC CON- DUCT- ANCE LAB (UMHOS)	PH LAB (UNITS)	TUR- BID- ITY (NTU)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG)
404320073222401	S 21487 SCWA TWELFTH ST.	211MGTY	81-01-05	337	107	6.5	.11	3.4	1.4
		211MGTY	81-07-08	337	108	4.9	.19	3.9	1.7
		211MGTY	81-11-17	337	110	5.4	2.2	4.1	1.9
		211MGTY	82-01-05	337	--	--	--	--	--
		211MGTY	82-02-11	337	--	--	--	--	--
		211MGTY	82-04-01	337	--	--	--	--	--
		211MGTY	82-04-23	337	112	5.7	.40	7.4	1.2
		211MGTY	82-05-11	337	--	--	--	--	--
		211MGTY	82-06-06	337	103	5.4	.59	3.3	1.4
		211MGTY	82-06-07	337	--	--	--	--	--
		211MGTY	82-07-15	337	--	--	--	--	--
		211MGTY	82-08-10	337	--	--	--	--	--
		211MGTY	82-09-02	337	125	5.3	.35	4.0	1.9
		211MGTY	82-09-15	337	--	--	--	--	--

DATE OF SAMPLE	SODIUM, TOTAL RECOV- ERABLE (MG/L AS NA)	POTAS- SIUM, TOTAL RECOV- ERABLE (MG/L AS K)	ALKA- LINITY FIELD (MG/L AS CACO3)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, TOTAL (MG/L AS F)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)
81-01-05	13	.7	10	19	--	<.01	<.010	<.010	--	--	<30	--
81-07-08	13	.7	6	22	--	<.05	<.010	<.010	.350	--	--	--
81-11-17	14	.8	4	25	<.1	<.05	<.010	<.010	--	--	--	--
82-01-05	--	--	--	--	--	--	--	--	.140	--	--	--
82-02-11	--	--	--	--	--	--	--	--	.240	--	--	--
82-04-01	--	--	--	--	--	--	--	--	.200	--	--	--
82-04-23	14	.7	15	22	--	<.01	<.010	<.010	1.48	--	--	--
82-05-11	--	--	--	--	--	--	--	--	.140	--	--	--
82-06-06	11	.7	7	20	<.1	<.01	<.010	.140	.110	--	--	--
82-06-07	--	--	--	--	--	--	--	--	.120	--	--	--
82-07-15	--	--	--	--	--	--	--	--	.130	--	--	--
82-08-10	--	--	--	--	--	--	--	--	.080	--	--	--
82-09-02	16	.6	8	26	--	<.05	<.010	.150	.240	<5	--	--
82-09-15	--	--	--	--	--	--	--	--	.140	--	--	--

DATE OF SAMPLE	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	SELE- NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)
81-01-05	--	40	930	--	50	--	--	--	40
81-07-08	--	30	1210	--	50	--	--	--	180
81-11-17	--	50	1439	--	30	--	--	--	60
82-01-05	--	--	660	--	--	--	--	--	--
82-02-11	--	--	450	--	--	--	--	--	--
82-04-01	--	--	1210	--	--	--	--	--	--
82-04-23	--	320	710	--	30	--	--	--	--
82-05-11	--	--	910	--	--	--	--	--	--
82-06-06	--	130	1080	--	50	--	--	--	20
82-06-07	--	--	980	--	--	--	--	--	--
82-07-15	--	--	1270	--	--	--	--	--	--
82-08-10	--	--	1149	--	--	--	--	--	--
82-09-02	--	140	880	--	40	--	--	--	20
82-09-15	--	--	220	--	--	--	--	--	--

WATER QUALITY DATA, SEPTEMBER 1980 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH LAB (UNITS)	TUR-BID-ITY (NTU)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
405443073064502	S 21632 SCWA DAN WEBSTER	211MGTY	80-11-03	516	37	6.5	.09	2.2	.7
		211MGTY	81-03-23	516	35	6.2	.10	2.8	.7
		211MGTY	81-08-26	516	31	5.9	.08	--	.7
		211MGTY	82-01-26	516	35	5.5	.14	1.8	.6
		211MGTY	82-05-05	516	34	6.0	.14	2.0	.6
		211MGTY	82-08-05	516	35	6.0	.11	2.1	.6

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)
80-11-03	3.3	.3	9	4.5	--	.09	<.010	<.010	--	<5	<20	--
81-03-23	3.1	.4	12	6.5	--	.09	<.010	.100	<.010	--	--	--
81-08-26	2.1	--	12	5.0	<.1	.07	<.010	<.010	--	--	--	--
82-01-26	3.2	.3	10	4.0	--	.06	<.010	<.010	--	--	--	--
82-05-05	3.3	.3	10	4.5	<.1	<.01	<.010	<.010	<.100	--	--	--
82-08-05	3.2	.3	10	4.5	--	.12	<.010	<.050	--	<5	--	--

DATE OF SAMPLE	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
80-11-03	--	20	<10	--	<10	--	--	--	<10
81-03-23	--	40	--	--	<20	--	--	--	170
81-08-26	--	<20	<30	--	<10	--	--	--	<30
82-01-26	--	20	60	--	<10	--	--	--	10
82-05-05	--	<20	<30	--	<10	--	--	--	70
82-08-05	--	20	<30	--	<10	--	--	--	60

WATER QUALITY DATA, SEPTEMBER 1980 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENT- I- FIER	GEO- LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE- CIFIC CON- DUCT- ANCE LAB (UMHOS)	PH LAB (UNITS)	TUR- BID- ITY (NTU)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG)
405159073085501	S 21945 SCWA ASTOR AVE.	211MGTY	82-01-26	726	--	--	--	--	--
		211MGTY	82-02-24	726	--	--	--	--	--
		211MGTY	82-03-23	726	--	--	--	--	--
		211MGTY	82-04-20	726	--	--	--	--	--
		211MGTY	82-05-26	726	--	--	--	--	--
		211MGTY	82-06-23	726	126	7.0	.14	10	4.3
		211MGTY	82-06-28	726	--	--	--	--	--
		211MGTY	82-07-26	726	--	--	--	--	--
		211MGTY	82-08-26	726	--	--	--	--	--
		211MGTY	82-09-07	726	61	6.2	.42	3.5	1.6
		211MGTY	82-09-28	726	--	--	--	--	--

DATE OF SAMPLE	SODIUM, TOTAL RECOV- ERABLE (MG/L AS NA)	POTAS- SIUM, TOTAL RECOV- ERABLE (MG/L AS K)	ALKA- LINITY FIELD (MG/L AS CACO3)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, TOTAL (MG/L AS F)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)
82-01-26	--	--	--	--	--	--	--	--	.150	--	--	--
82-02-24	--	--	--	--	--	--	--	--	.420	--	--	--
82-03-23	--	--	--	--	--	--	--	--	.390	--	--	--
82-04-20	--	--	--	--	--	--	--	--	.100	--	--	--
82-05-26	--	--	--	--	--	--	--	--	--	--	--	--
82-06-23	8.7	1.2	41	8.5	<.1	.90	<.010	<.050	.620	--	--	--
82-06-28	--	--	--	--	--	--	--	--	.070	--	--	--
82-07-26	--	--	--	--	--	--	--	--	--	--	--	--
82-08-26	--	--	--	--	--	--	--	--	.610	--	--	--
82-09-07	4.8	.7	14	4.0	--	<.05	<.010	<.010	.170	<5	--	--
82-09-28	--	--	--	--	--	--	--	--	--	--	--	--

DATE OF SAMPLE	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	SELE- NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)
82-01-26	--	--	230	--	20	--	--	--	--
82-02-24	--	--	--	--	--	--	--	--	--
82-03-23	--	--	40	--	100	--	--	--	--
82-04-20	--	--	30	--	30	--	--	--	--
82-05-26	--	--	<30	--	60	--	--	--	--
82-06-23	--	20	50	--	90	--	--	--	310
82-06-28	--	--	50	--	--	--	--	--	--
82-07-26	--	--	--	--	270	--	--	--	--
82-08-26	--	--	250	--	190	--	--	--	--
82-09-07	--	20	200	--	180	--	--	--	<20
82-09-28	--	--	200	--	190	--	--	--	--

WATER QUALITY DATA, SEPTEMBER 1980 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH LAB (UNITS)	TUR-BID-ITY (NTU)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
405259073202801	S 22048 SCWA LAUREL HILL	112GLCLU	80-12-09	600	43	5.7	.11	--	.9
		112GLCLU	81-05-05	600	40	5.7	.12	2.0	.6
		112GLCLU	81-09-28	600	39	6.0	.10	2.0	.6
		112GLCLU	82-06-15	600	34	5.5	.14	3.6	.7
		112GLCLU	82-09-07	600	40	6.1	.14	1.7	.6

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)
80-12-09	4.7	.6	9	4.5	--	--	<.010	<.010	--	<5	<20	--
81-05-05	3.8	.4	6	6.0	--	.97	<.010	<.010	--	--	--	--
81-09-28	3.9	.5	12	3.0	<.1	1.4	<.010	<.010	--	--	--	--
82-06-15	4.2	.5	7	5.0	<.1	.89	<.010	<.010	--	--	--	--
82-09-07	4.0	.5	8	4.0	--	1.5	<.010	<.010	--	<5	--	--

DATE OF SAMPLE	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
80-12-09	--	50	100	--	40	--	--	--	<10
81-05-05	--	--	110	--	30	--	--	--	40
81-09-28	--	100	50	--	<10	--	--	--	<20
82-06-15	--	140	70	--	10	--	--	--	50
82-09-07	--	60	40	--	10	--	--	--	<20

WATER QUALITY DATA, SEPTEMBER 1980 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH LAB (UNITS)	TUR-BID-ITY (NTU)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
405127073070901	S 22171 SCWA HY PLACE	211MGTY	80-09-21	332	175	--	.10	11	4.0
		211MGTY	81-01-15	332	170	5.8	.13	12	4.1
		211MGTY	81-08-10	332	168	5.6	.81	11	4.2
		211MGTY	82-01-07	332	--	--	--	--	--
		211MGTY	82-02-24	332	--	--	--	--	--
		211MGTY	82-03-23	332	--	--	--	--	--
		211MGTY	82-04-27	332	--	--	--	--	--
		211MGTY	82-05-26	332	--	--	--	--	--
		211MGTY	82-06-16	332	--	--	--	--	--
		211MGTY	82-06-23	332	170	5.7	.33	9.7	3.8
		211MGTY	82-07-21	332	--	--	--	--	--
		211MGTY	82-08-24	332	--	--	--	--	--
		211MGTY	82-09-20	332	178	5.7	.26	10	4.2
		211MGTY	82-09-21	332	--	--	--	--	--

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)
80-09-21	13	1.3	18	16	--	5.8	<.010	<.010	--	<5	30	--
81-01-15	12	1.5	15	16	--	5.4	<.010	<.010	--	--	--	--
81-08-10	13	1.6	16	19	<.1	5.1	.390	<.010	--	--	--	--
82-01-07	--	--	--	--	--	5.3	--	--	--	--	--	--
82-02-24	--	--	--	--	--	5.7	--	--	--	--	--	--
82-03-23	--	--	--	--	--	5.7	--	--	--	--	--	--
82-04-27	--	--	--	--	--	5.1	--	--	--	--	--	--
82-05-26	--	--	--	--	--	5.4	--	--	--	--	--	--
82-06-16	--	--	--	--	--	4.1	--	--	--	--	--	--
82-06-23	13	1.7	16	16	<.1	4.0	<.010	<.010	--	--	--	--
82-07-21	--	--	--	--	--	5.9	--	--	--	--	--	--
82-08-24	--	--	--	--	--	5.9	--	--	--	--	--	--
82-09-20	15	1.9	16	17	--	5.9	<.010	<.010	--	<5	--	--
82-09-21	--	--	--	--	--	5.9	--	--	--	--	--	--

DATE OF SAMPLE	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
80-09-21	--	50	<30	--	<10	--	--	--	20
81-01-15	--	40	--	--	<10	--	--	--	--
81-08-10	--	20	<10	--	20	--	--	--	10
82-01-07	--	--	--	--	--	--	--	--	--
82-02-24	--	--	--	--	--	--	--	--	--
82-03-23	--	--	--	--	--	--	--	--	--
82-04-27	--	--	--	--	--	--	--	--	--
82-05-26	--	--	--	--	--	--	--	--	--
82-06-16	--	--	--	--	--	--	--	--	--
82-06-23	--	20	40	--	10	--	--	--	220
82-07-21	--	--	--	--	--	--	--	--	--
82-08-24	--	--	--	--	--	--	--	--	--
82-09-20	--	50	<30	--	<20	--	--	--	20
82-09-21	--	--	--	--	--	--	--	--	--

WATER QUALITY DATA, SEPTEMBER 1980 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENT- I- FIER	GEO- LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE- CIFIC CON- DUCT- ANCE LAB (UMHOS)	PH LAB (UNITS)	TUR- BID- ITY (NTU)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG)
404054073231801	S 22351 SCWA LAMBERT AVE	211MGTY	80-12-16	558	40	5.5	.14	1.3	.7
		211MGTY	81-07-13	558	37	4.5	.14	1.9	.8
		211MGTY	81-10-21	558	34	--	.10	1.3	.7
		211MGTY	82-01-17	558	--	--	--	--	--
		211MGTY	82-03-30	558	30	5.2	.22	1.2	.7
		211MGTY	82-04-19	558	--	--	--	--	--
		211MGTY	82-05-04	558	--	--	--	--	--
		211MGTY	82-06-01	558	38	5.4	.63	1.5	.6
		211MGTY	82-07-13	558	--	--	--	--	--
		211MGTY	82-08-03	558	--	--	--	--	--
		211MGTY	82-08-23	558	36	5.5	.84	2.3	.7
		211MGTY	82-09-09	558	--	--	--	--	--

DATE OF SAMPLE	SODIUM, TOTAL RECOV- ERABLE (MG/L AS NA)	POTAS- SIUM, TOTAL RECOV- ERABLE (MG/L AS K)	ALKA- LINITY FIELD (MG/L AS CACO3)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, TOTAL (MG/L AS F)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)
80-12-16	2.9	.4	5	3.0	--	<.01	<.010	<.010	.060	--	<20	--
81-07-13	4.0	.5	6	4.0	--	<.10	<.010	<.010	.940	--	--	--
81-10-21	3.8	.4	5	3.0	<.1	<.01	<.010	<.010	.670	--	--	--
82-01-17	--	--	--	--	--	--	--	--	.100	--	--	--
82-03-30	3.3	.4	5	3.0	--	<.01	<.010	<.010	.140	--	--	--
82-04-19	--	--	--	--	--	--	--	--	.020	--	--	--
82-05-04	--	--	--	--	--	--	--	--	<.010	--	--	--
82-06-01	3.7	.5	7	2.0	<.1	<.01	<.010	<.010	.380	--	--	--
82-07-13	--	--	--	--	--	--	--	--	.120	--	--	--
82-08-03	--	--	--	--	--	--	--	--	--	--	--	--
82-08-23	2.9	.4	6	2.0	--	<.05	<.010	<.010	--	<5	--	--
82-09-09	--	--	--	--	--	--	--	--	.080	--	--	--

DATE OF SAMPLE	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	SELE- NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)
80-12-16	--	50	400	--	<10	--	--	--	50
81-07-13	--	30	360	--	30	--	--	--	60
81-10-21	--	20	340	--	10	--	--	--	20
82-01-17	--	--	230	--	--	--	--	--	--
82-03-30	--	30	350	--	<10	--	--	--	--
82-04-19	--	--	350	--	--	--	--	--	--
82-05-04	--	--	360	--	--	--	--	--	--
82-06-01	--	90	300	--	<20	--	--	--	<20
82-07-13	--	--	380	--	--	--	--	--	--
82-08-03	--	--	360	--	--	--	--	--	--
82-08-23	--	20	310	--	10	--	--	--	20
82-09-09	--	--	370	--	--	--	--	--	--

WATER QUALITY DATA, SEPTEMBER 1980 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH LAB (UNITS)	TUR-BID-ITY (NTU)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
404955073170401	S 22362 SCWA SCHUYLER DR	112GLCLU	80-10-01	314	84	6.3	.07	6.1	2.4
		112GLCLU	81-02-11	314	94	6.2	.08	5.9	2.2
		112GLCLU	82-01-02	314	93	5.5	.10	6.8	2.6
		112GLCLU	82-01-05	314	--	--	--	--	--
		112GLCLU	82-02-09	314	--	--	--	--	--
		112GLCLU	82-03-08	314	--	--	--	--	--
		112GLCLU	82-04-14	314	95	6.1	.53	7.0	2.5
		112GLCLU	82-04-16	314	--	--	--	--	--
		112GLCLU	82-05-04	314	--	--	--	--	--
		112GLCLU	82-06-08	314	--	--	--	--	--
		112GLCLU	82-07-13	314	98	6.2	.15	7.4	2.6
		112GLCLU	82-07-14	314	--	--	--	--	--
		112GLCLU	82-08-03	314	--	--	--	--	--
		112GLCLU	82-09-07	314	--	--	--	--	--

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)
80-10-01	5.1	.6	19	7.5	--	2.3	<.010	<.010	--	<5	<30	--
81-02-11	5.5	.6	18	6.0	--	2.4	<.010	<.010	--	--	--	--
82-01-02	5.6	.7	18	6.0	--	2.6	<.010	<.010	--	--	--	--
82-01-05	--	--	--	--	--	2.4	--	--	--	--	--	--
82-02-09	--	--	--	--	--	5.4	--	--	--	--	--	--
82-03-08	--	--	--	--	--	2.7	--	--	--	--	--	--
82-04-14	5.6	.7	20	7.0	--	2.5	<.010	.070	--	--	--	--
82-04-16	--	--	--	--	--	2.4	--	--	--	--	--	--
82-05-04	--	--	--	--	--	2.5	--	--	--	--	--	--
82-06-08	--	--	--	--	--	4.2	--	--	--	--	--	--
82-07-13	6.6	.7	20	6.5	--	2.4	<.010	<.010	--	<5	--	--
82-07-14	--	--	--	--	--	2.3	--	--	--	--	--	--
82-08-03	--	--	--	--	--	2.7	--	--	--	--	--	--
82-09-07	--	--	--	--	--	2.5	--	--	--	--	--	--

DATE OF SAMPLE	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
80-10-01	--	60	<10	--	<10	--	--	--	20
81-02-11	--	30	<30	--	<10	--	--	--	--
82-01-02	--	60	<30	--	<10	--	--	--	10
82-01-05	--	--	--	--	--	--	--	--	--
82-02-09	--	--	--	--	--	--	--	--	--
82-03-08	--	--	--	--	--	--	--	--	--
82-04-14	--	30	<30	--	10	--	--	--	60
82-04-16	--	--	--	--	--	--	--	--	--
82-05-04	--	--	--	--	--	--	--	--	--
82-06-08	--	--	--	--	--	--	--	--	--
82-07-13	--	40	<30	--	50	--	--	--	10
82-07-14	--	--	--	--	--	--	--	--	--
82-08-03	--	--	--	--	--	--	--	--	--
82-09-07	--	--	--	--	--	--	--	--	--

WATER QUALITY DATA, SEPTEMBER 1980 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH LAB (UNITS)	TUR-BID-ITY (NTU)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
404357073181502	S 22389 SCWA HARVEST LA.	211MGTY	80-12-28	465	41	6.5	.74	3.4	.9
		211MGTY	81-07-14	465	36	5.8	.71	2.8	.8
		211MGTY	81-12-28	465	68	5.7	.83	5.0	1.3
		211MGTY	82-01-25	465	--	--	--	--	--
		211MGTY	82-02-24	465	--	--	--	--	--
		211MGTY	82-02-25	465	55	5.9	1.2	4.3	1.0
		211MGTY	82-03-25	465	--	--	--	--	--
		211MGTY	82-04-27	465	--	--	--	--	--
		211MGTY	82-06-30	465	--	--	--	--	--
		211MGTY	82-07-27	465	45	5.5	.23	2.7	.8
		211MGTY	82-08-23	465	--	--	--	--	--
		211MGTY	82-09-22	465	--	--	--	--	--

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)
80-12-28	2.8	.5	13	4.0	--	<.01	<.010	<.010	--	--	<30	--
81-07-14	3.1	.4	--	--	--	<.05	<.010	<.010	.050	--	--	--
81-12-28	5.9	.6	28	3.5	<.1	<.01	<.010	<.010	--	--	--	--
82-01-25	--	--	--	--	--	--	--	--	.130	--	--	--
82-02-24	--	--	--	--	--	--	--	--	.470	--	--	--
82-02-25	4.7	.7	19	3.0	--	<.05	<.010	<.010	.470	--	--	--
82-03-25	--	--	--	--	--	--	--	--	.200	--	--	--
82-04-27	--	--	--	--	--	--	--	--	.730	--	--	--
82-06-30	--	--	--	--	--	--	--	--	.180	--	--	--
82-07-27	4.7	.5	16	3.5	--	.01	<.010	<.010	.700	--	--	--
82-08-23	--	--	--	--	--	--	--	--	--	--	--	--
82-09-22	--	--	--	--	--	--	--	--	.230	--	--	--

DATE OF SAMPLE	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
80-12-28	--	<10	760	--	30	--	--	--	140
81-07-14	--	20	670	--	40	--	--	--	20
81-12-28	--	20	1030	--	40	--	--	--	<20
82-01-25	--	--	680	--	--	--	--	--	--
82-02-24	--	--	--	--	--	--	--	--	--
82-02-25	--	30	870	--	60	--	--	--	220
82-03-25	--	--	830	--	--	--	--	--	--
82-04-27	--	--	940	--	--	--	--	--	--
82-06-30	--	--	670	--	--	--	--	--	--
82-07-27	--	20	710	--	40	--	--	--	<20
82-08-23	--	--	760	--	--	--	--	--	--
82-09-22	--	--	700	--	--	--	--	--	--

WATER QUALITY DATA, SEPTEMBER 1980 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH LAB (UNITS)	TUR-BID-ITY (NTU)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
404922073162901	S 22471 SCWA WICKS RD. 1	211MGTY	80-10-01	383	67	5.8	.08	3.7	1.3
		211MGTY	81-02-10	383	63	5.4	.11	3.3	1.1
		211MGTY	81-08-11	383	53	5.5	.14	3.4	1.1
		211MGTY	82-01-18	383	62	5.1	.10	3.4	1.2
		211MGTY	82-04-05	383	68	5.5	.13	3.3	1.3
		211MGTY	82-07-13	383	68	5.5	.15	3.8	1.3
405155073045202	S 22547 SCWA EASTWOOD	112GLCLU	80-09-10	109	165	--	.16	11	3.7
		112GLCLU	81-01-15	109	156	6.2	.09	11	3.9
		112GLCLU	82-01-20	109	--	--	--	--	--
		112GLCLU	82-03-23	109	73	6.1	.45	5.0	1.3
		112GLCLU	82-04-11	109	--	--	--	--	--
		112GLCLU	82-05-06	109	--	--	--	--	--
		112GLCLU	82-07-20	109	150	5.9	.15	9.6	3.5
		112GLCLU	82-07-22	109	--	--	--	--	--
		112GLCLU	82-08-12	109	--	--	--	--	--

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)
80-10-01	5.3	.6	7	8.0	--	3.5	<.010	<.010	--	<5	<30	--
81-02-10	4.9	.5	7	7.0	--	2.7	<.010	.440	--	--	--	--
81-08-11	5.0	.6	7	7.0	<.1	2.3	.040	<.010	--	--	--	--
82-01-18	5.3	.6	9	5.0	--	3.0	<.010	<.010	--	--	--	--
82-04-05	5.4	.6	9	6.5	<.1		<.010	<.010	--	--	--	--
82-07-13	5.8	.6	7	6.0	--	3.2	<.010	<.010	--	<5	--	--
80-09-10	12	1.5	16	14	--	6.6	<.010	.110	--	<5	--	--
81-01-15	11	1.5	17	13	--	6.1	<.010	<.010	--	--	40	--
82-01-20	--	--	--	13	--	5.3	--	--	--	--	--	--
82-03-23	6.2	1.0	14	5.0	--	1.4	<.010	<.010	--	--	--	--
82-04-11	--	--	--	13	--	4.8	--	--	--	--	--	--
82-05-06	--	--	--	14	--	5.2	--	--	--	--	--	--
82-07-20	11	1.2	14	15	<.1	5.3	<.010	<.010	--	--	--	--
82-07-22	--	--	--	19	--	5.6	--	--	--	--	--	--
82-08-12	--	--	--	25	--	5.4	--	--	--	--	--	--

DATE OF SAMPLE	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
80-10-01	--	90	<10	--	<10	--	--	--	<10
81-02-10	--	100	<30	--	<10	--	--	--	30
81-08-11	--	100	20	--	<10	--	--	--	80
82-01-18	--	440	<30	--	10	--	--	--	20
82-04-05	--	130	<30	--	<10	--	--	--	20
82-07-13	--	70	110	--	20	--	--	--	610
80-09-10	--	70	<30	--	70	--	--	--	110
81-01-15	--	80	70	--	70	--	--	--	20
82-01-20	--	--	--	--	--	--	--	--	--
82-03-23	--	70	<30	--	20	--	--	--	80
82-04-11	--	--	--	--	--	--	--	--	--
82-05-06	--	--	--	--	--	--	--	--	--
82-07-20	--	20	<30	--	40	--	--	--	70
82-07-22	--	--	--	--	--	--	--	--	--
82-08-12	--	--	--	--	--	--	--	--	--

WATER QUALITY DATA, SEPTEMBER 1980 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH LAB (UNITS)	TUR-BID-ITY (NTU)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
404705073190701	S 22548 SCWA PLYMOUTH ST	211MGTY	80-12-21	416	88	6.6	.17	5.7	2.1
		211MGTY	81-07-14	416	28	4.6	.21	1.2	.4
		211MGTY	81-11-17	416	27	4.3	.38	1.0	.3
		211MGTY	82-02-18	416	30	4.6	.50	1.4	.3
		211MGTY	82-07-27	416	29	4.8	.27	1.2	.3

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)
80-12-21	6.0	.6	--	8.5	--	2.6	<.010	<.010	--	--	<20	--
81-07-14	2.7	.4	6	5.5	--	.55	<.010	<.010	<.010	--	--	--
81-11-17	2.7	.4	5	5.0	<.1	.64	<.010	<.010	--	--	--	--
82-02-18	2.8	.4	5	4.0	--	.56	<.010	<.010	--	--	--	--
82-07-27	2.7	.7	6	3.5	<.1	.63	<.010	<.010	--	--	--	--

DATE OF SAMPLE	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
80-12-21	--	80	180	--	<10	--	--	--	40
81-07-14	--	230	90	--	<20	--	--	--	20
81-11-17	--	<10	40	--	<10	--	--	--	<10
82-02-18	--	220	70	--	<10	--	--	--	230
82-07-27	--	210	140	--	50	--	--	--	40

WATER QUALITY DATA, SEPTEMBER 1980 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County water Authority.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH LAB (UNITS)	TUR-BID-ITY (NTU)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
405625073031801	S 22640 SCWA BELLE TERRE	211MGTY	80-10-28	453	217	7.0	.16	17	6.8
		211MGTY	81-03-16	453	210	6.6	.11	18	6.6
		211MGTY	81-08-26	453	200	6.8	.25	15	6.0
		211MGTY	82-01-06	453	--	--	--	--	--
		211MGTY	82-01-20	453	180	6.4	.10	15	6.2
		211MGTY	82-02-10	453	--	--	--	--	--
		211MGTY	82-03-03	453	--	--	--	--	--
		211MGTY	82-04-08	453	--	--	--	--	--
		211MGTY	82-05-05	453	--	--	--	--	--
		211MGTY	82-05-09	453	205	6.9	.24	14	6.1
		211MGTY	82-06-01	453	--	--	--	--	--
		211MGTY	82-07-08	453	--	--	--	--	--
		211MGTY	82-08-04	453	--	--	--	--	--
		211MGTY	82-08-11	453	200	6.7	.14	15	6.2
		211MGTY	82-09-08	453	--	--	--	--	--
404632073070801	S 22711 SCWA LOCUST AVE.	112GLCLU	81-03-06	140	190	5.7	.14	12	3.6

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)
80-10-28	13	1.3	37	20	--	3.4	<.010	<.010	--	<5	30	--
81-03-16	13	1.3	33	21	--	3.2	<.010	.170	--	--	--	--
81-08-26	--	1.4	33	19	<.1	3.1	<.010	<.010	<.010	--	--	--
82-01-06	--	--	--	16	--	2.6	--	--	--	--	--	--
82-01-20	12	1.3	33	18	--	3.0	<.010	<.010	--	--	--	--
82-02-10	--	--	--	13	--	2.6	--	--	--	--	--	--
82-03-03	--	--	--	18	--	3.0	--	--	--	--	--	--
82-04-08	--	--	--	18	--	3.1	--	--	--	--	--	--
82-05-05	--	--	--	17	--	4.1	--	--	--	--	--	--
82-05-09	13	1.3	35	17	<.1	3.1	<.010	.540	--	--	--	--
82-06-01	--	--	--	14	--	2.7	--	--	--	--	--	--
82-07-08	--	--	--	19	--	3.5	--	--	--	--	--	--
82-08-04	--	--	--	17	--	3.1	--	--	--	--	--	--
82-08-11	12	1.3	35	19	--	3.3	<.010	<.010	--	<5	--	--
82-09-08	--	--	--	--	--	3.3	--	--	--	--	--	--
81-03-06	18	2.1	6	29	--	5.0	<.010	<.010	--	--	--	--

DATE OF SAMPLE	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
80-10-28	--	30	<10	--	<10	--	--	--	20
81-03-16	--	30	50	--	<20	--	--	--	110
81-08-26	--	20	30	--	<10	--	--	--	40
82-01-06	--	--	--	--	--	--	--	--	--
82-01-20	--	30	<30	--	<10	--	--	--	120
82-02-10	--	--	--	--	--	--	--	--	--
82-03-03	--	--	--	--	--	--	--	--	--
82-04-08	--	--	--	--	--	--	--	--	--
82-05-05	--	--	--	--	--	--	--	--	--
82-05-09	--	30	60	--	<10	--	--	--	40
82-06-01	--	--	--	--	--	--	--	--	--
82-07-08	--	--	--	--	--	--	--	--	--
82-08-04	--	--	--	--	--	--	--	--	--
82-08-11	--	40	<30	--	<10	--	--	--	<20
82-09-08	--	--	--	--	--	--	--	--	--
81-03-06	--	80	90	--	190	--	--	--	<20

WATER QUALITY DATA, SEPTEMBER 1980 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH LAB (UNITS)	TUR-BID-ITY (NTU)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
404458073182501	S 23046 SCWA BROOK AVE.	211MGTY	81-03-09	448	24	4.7	.23	.9	.3
		211MGTY	81-09-18	448	24	5.3	.14	1.9	.4
		211MGTY	82-01-25	448	29	4.9	2.1	.9	.4
404921073122702	S 23183 SCWA WHEELER RD.	211MGTY	80-09-30	341	90	--	.18	6.3	2.8
		211MGTY	81-02-26	341	70	6.4	.23	4.8	1.7
		211MGTY	81-08-24	341	84	6.2	.34	6.3	2.4
		211MGTY	82-01-19	341	36	5.9	.38	7.5	1.7
		211MGTY	82-01-20	341	--	--	--	--	--
		211MGTY	82-02-18	341	--	--	--	--	--
		211MGTY	82-03-10	341	--	--	--	--	--
		211MGTY	82-04-21	341	59	6.2	.21	3.6	1.4
		211MGTY	82-05-11	341	--	--	--	--	--
		211MGTY	82-06-14	341	--	--	--	--	--
		211MGTY	82-07-14	341	--	--	--	--	--
		211MGTY	82-07-18	341	62	6.0	.14	4.5	1.5
		211MGTY	82-08-10	341	--	--	--	--	--
		211MGTY	82-09-20	341	--	--	--	--	--

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)
81-03-09	2.1	.3	4	3.5	--	<.10	<.050	<.050	<.100	--	--	--
81-09-18	2.3	.3	4	4.0	--	<.05	<.010	<.010	--	--	--	--
82-01-25	3.1	.3	7	3.5	--	<.05	<.010	<.010	--	--	--	--
80-09-30	5.3	.5	18	9.0	--	1.2	<.010	<.010	--	<5	<30	--
81-02-26	4.7	.5	14	6.5	--	.74	<.050	<.050	--	--	--	--
81-08-24	5.5	.5	16	10	<.1	1.1	<.010	<.010	--	--	--	--
82-01-19	4.7	.5	12	6.0	--	.65	<.010	<.010	--	--	--	--
82-01-20	--	--	--	--	--	.80	--	--	--	--	--	--
82-02-18	--	--	--	--	--	.58	--	--	--	--	--	--
82-03-10	--	--	--	--	--	.63	--	--	--	--	--	--
82-04-21	4.5	.5	13	5.5	<.1	.57	<.010	<.010	--	--	--	--
82-05-11	--	--	--	--	--	--	--	--	--	--	--	--
82-06-14	--	--	--	--	--	.19	--	--	--	--	--	--
82-07-14	--	--	--	--	--	.80	--	--	--	--	--	--
82-07-18	4.7	.4	12	6.0	--	.84	<.010	<.010	--	<5	--	--
82-08-10	--	--	--	--	--	.88	--	--	--	--	--	--
82-09-20	--	--	--	--	--	.88	--	--	--	--	--	--

DATE OF SAMPLE	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
81-03-09	<10	30	220	--	40	--	--	--	30
81-09-18	--	40	50	--	<10	--	--	--	10
82-01-25	--	10	60	--	<10	--	--	--	10
80-09-30	--	30	70	--	<10	--	--	--	<10
81-02-26	<10	50	30	--	<10	--	--	--	70
81-08-24	--	70	50	--	<10	--	--	--	110
82-01-19	--	90	120	--	<10	--	--	--	180
82-01-20	--	--	30	--	<10	--	--	--	--
82-02-18	--	--	<30	--	<10	--	--	--	--
82-03-10	--	--	<30	--	10	--	--	--	--
82-04-21	--	50	<30	--	<10	--	--	--	50
82-05-11	--	--	<30	--	20	--	--	--	--
82-06-14	--	--	<30	--	<10	--	--	--	--
82-07-14	--	--	<30	--	<10	--	--	--	--
82-07-18	--	10	<30	--	<10	--	--	--	<10
82-08-10	--	--	<30	--	30	--	--	--	--
82-09-20	--	--	30	--	20	--	--	--	--

WATER QUALITY DATA, SEPTEMBER 1980 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH LA (UNITS)	TUR-BID-ITY (NTU)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
405124072353602	S 23184 SCWA SPINNEY RD.	112GLCLU	80-10-20	118	154	6.1	.64	12	6.2
		112GLCLU	81-03-09	118	175	5.9	.07	13	6.6
		112GLCLU	81-08-13	118	--	5.5	.12	11	5.7
		112GLCLU	82-01-02	118	153	5.5	.05	10	5.7
		112GLCLU	82-01-26	118	--	--	--	--	--
		112GLCLU	82-02-23	118	--	--	--	--	--
		112GLCLU	82-03-22	118	--	--	--	--	--
		112GLCLU	82-04-22	118	142	6.0	.30	9.9	5.6
		112GLCLU	82-04-28	118	--	--	--	--	--
		112GLCLU	82-05-25	118	--	--	--	--	--
		112GLCLU	82-06-02	118	--	--	--	--	--
		112GLCLU	82-07-27	118	--	--	--	--	--
		112GLCLU	82-07-28	118	160	5.9	.85	9.5	5.6

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)
80-10-20	6.9	.7	12	12	--	3.6	<.010	<.010	--	<5	<20	--
81-03-09	7.9	.8	13	13	--	3.9	<.010	<.010	--	--	--	--
81-08-13	7.0	1.4	11	12	<.1	2.9	<.010	<.010	--	--	--	--
82-01-02	7.0	1.4	8	11	--	2.4	<.010	<.010	--	--	--	--
82-01-26	--	--	--	--	--	2.9	--	--	--	--	--	--
82-02-23	--	--	--	--	--	2.9	--	--	--	--	--	--
82-03-22	--	--	--	--	--	3.0	--	--	--	--	--	--
82-04-22	7.2	1.4	6	13	<.1	2.9	<.010	<.010	--	--	--	--
82-04-28	--	--	--	--	--	2.8	--	--	--	--	--	--
82-05-25	--	--	--	--	--	2.7	--	--	--	--	--	--
82-06-02	--	--	--	--	--	3.0	--	--	--	--	--	--
82-07-27	--	--	--	--	--	2.9	--	--	--	--	--	--
82-07-28	7.3	1.4	8	12	--	3.0	<.010	.120	--	<5	--	--

DATE OF SAMPLE	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
80-10-20	--	300	50	--	<10	--	--	--	30
81-03-09	--	100	70	--	<20	--	--	--	<20
81-08-13	--	70	<30	--	<10	--	--	--	20
82-01-02	--	160	<30	--	<10	--	--	--	20
82-01-26	--	--	--	--	--	--	--	--	--
82-02-23	--	--	--	--	--	--	--	--	--
82-03-22	--	--	--	--	--	--	--	--	--
82-04-22	--	80	<30	--	<10	--	--	--	70
82-04-28	--	--	--	--	--	--	--	--	--
82-05-25	--	--	--	--	--	--	--	--	--
82-06-02	--	--	--	--	--	--	--	--	--
82-07-27	--	--	--	--	--	--	--	--	--
82-07-28	--	10	30	--	10	--	--	--	320

WATER QUALITY DATA, SEPTEMBER 1980 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENT- I- FIER	GEO- LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE- CIFIC CON- DUCT- ANCE LAB (UMHOS)	PH LAB (UNITS)	TUR- BID- ITY (NTU)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG)
405607073072402	S 23185 SCWA MUD RD. 2	211MGTY	80-10-29	544	57	5.8	.10	1.7	.7
		211MGTY	81-03-22	544	35	6.0	.10	2.0	.6
		211MGTY	81-08-23	544	43	6.0	.24	3.4	1.0
		211MGTY	82-01-20	544	40	5.8	.22	3.1	.7
		211MGTY	82-05-04	544	35	5.9	.13	2.6	.7
		211MGTY	82-08-05	544	35	5.8	.11	1.9	.7
405251073142801	S 23186 SCWA LAWRENCE RD	211MGTY	80-10-02	497	29	5.5	.22	1.3	.5
		211MGTY	81-02-10	497	30	5.4	.25	1.6	.5
		211MGTY	81-08-05	497	28	5.4	.16	1.3	.4
		211MGTY	82-01-18	497	78	5.7	.15	7.8	1.1
		211MGTY	82-04-12	497	33	7.3	.28	2.5	.4
		211MGTY	82-07-25	497	28	5.4	.19	1.9	.5

DATE OF SAMPLE	SODIUM, TOTAL RECOV- ERABLE (MG/L AS NA)	POTAS- SIUM, TOTAL RECOV- ERABLE (MG/L AS K)	ALKA- LINITY FIELD (MG/L AS CACO3)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, TOTAL (MG/L AS F)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)
80-10-29	3.2	.4	8	2.5	--	<.01	<.010	<.010	--	<5	<20	--
81-03-22	3.1	.3	9	4.0	--	.14	<.010	<.010	--	--	--	--
81-08-23	3.8	.4	16	4.0	<.1	.13	.010	<.010	--	--	--	--
82-01-20	3.3	.4	11	3.0	--	.06	<.010	<.010	--	--	--	--
82-05-04	3.2	.4	10	3.5	<.1	.05	<.010	.100	--	--	--	--
82-08-05	3.2	.4	10	2.0	--	<.05	<.010	<.050	--	<5	--	--
80-10-02	2.7	.4	6	4.0	--	.33	<.010	<.010	--	<5	<30	--
81-02-10	2.7	.4	8	3.5	--	.35	<.010	<.010	--	--	--	--
81-08-05	3.0	.3	7	3.5	<.1	.33	.130	<.010	--	--	--	--
82-01-18	5.3	.5	25	6.5	--	1.2	<.010	<.010	--	--	--	--
82-04-12	3.1	.3	11	3.0	<.1	.36	<.010	<.010	--	--	--	--
82-07-25	3.0	.3	8	3.5	--	.36	<.010	<.050	--	<5	--	--

DATE OF SAMPLE	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	SELE- NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)
80-10-29	--	30	<10	--	<10	--	--	--	40
81-03-22	--	30	50	--	<20	--	--	--	<10
81-08-23	--	<20	40	--	<10	--	--	--	<20
82-01-20	--	20	<30	--	<10	--	--	--	60
82-05-04	--	40	<30	--	<10	--	--	--	90
82-08-05	--	30	<30	--	10	--	--	--	70
80-10-02	--	90	<10	--	<10	--	--	--	<10
81-02-10	--	90	<30	--	<10	--	--	--	<10
81-08-05	--	20	<30	--	<10	--	--	--	20
82-01-18	--	30	<10	--	10	--	--	--	10
82-04-12	--	40	50	--	<10	--	--	--	60
82-07-25	--	80	<30	--	<10	--	--	--	10

WATER QUALITY DATA, SEPTEMBER 1980 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH LAB (UNITS)	TUR-BID-ITY (NTU)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
405453073030301	S 23255 SCWA JAYNE BLVD.	211MGTY	80-12-28	487	98	6.7	.08	9.2	3.0
		211MGTY	81-04-23	487	53	6.8	.09	4.1	1.4
		211MGTY	81-09-10	487	51	6.1	.22	4.7	1.4
		211MGTY	82-02-07	487	44	6.0	.10	4.2	1.3
		211MGTY	82-06-25	487	104	6.5	.13	11	2.9
		211MGTY	82-08-23	487	63	6.4	.22	4.0	1.4

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)
80-12-28	5.2	.6	19	8.0	--	1.4	.060	.030	--	<5	<30	--
81-04-23	4.1	.5	13	6.0	--	.76	<.010	.120	--	--	--	--
81-09-10	4.0	.5	13	6.0	<.1	.83	<.010	<.010	--	--	--	--
82-02-07	3.9	.6	14	6.5	--	.83	<.010	<.010	--	--	--	--
82-06-25	5.4	.7	20	6.5	<.1	1.6	<.010	.070	--	--	--	--
82-08-23	4.0	.4	15	5.0	--	.86	<.010	<.010	.060	<5	--	--

DATE OF SAMPLE	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
80-12-28	--	20	<10	--	<10	--	--	--	<10
81-04-23	--	30	90	--	30	--	--	--	630
81-09-10	--	30	50	--	20	--	--	--	310
82-02-07	--	10	<30	--	<10	--	--	--	230
82-06-25	--	20	70	--	<10	--	--	--	270
82-08-23	--	<20	30	--	10	--	--	--	<20

WATER QUALITY DATA, SEPTEMBER 1980 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENT- I- FIER	GEO- LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE- CIFIC CON- DUCT- ANCE LAB (UMHOS)	PH LAB (UNITS)	TUR- BID- ITY (NTU)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG)
405336073202101	S 23371 SCWA CHURCH ST.	112GLCLU	80-12-15	474	84	6.7	.10	5.7	1.6
		112GLCLU	81-05-06	474	83	5.9	.12	7.6	2.1
		112GLCLU	81-09-28	474	117	6.2	.14	8.3	2.9
		112GLCLU	82-01-05	474	--	--	--	--	--
		112GLCLU	82-02-09	474	--	--	--	--	--
		112GLCLU	82-03-02	474	--	--	--	--	--
		112GLCLU	82-03-23	474	107	5.2	.50	7.1	2.3
		112GLCLU	82-04-11	474	--	--	--	--	--
		112GLCLU	82-05-04	474	--	--	--	--	--
		112GLCLU	82-06-08	474	--	--	--	--	--
		112GLCLU	82-06-21	474	72	5.9	.23	3.8	1.2
		112GLCLU	82-08-10	474	--	--	--	--	--
		112GLCLU	82-09-14	474	--	--	--	--	--
		112GLCLU	82-09-20	474	57	6.1	.25	3.8	1.3

DATE OF SAMPLE	SODIUM, TOTAL RECOV- ERABLE (MG/L AS NA)	POTAS- SIUM, TOTAL RECOV- ERABLE (MG/L AS K)	ALKA- LINITY FIELD (MG/L AS CACO3)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, TOTAL (MG/L AS F)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)
80-12-15	5.4	.6	10	8.0	--	3.2	<.010	<.010	--	<5	<20	--
81-05-06	6.4	.7	10	8.5	--	3.5	<.010	<.010	--	--	--	--
81-09-28	7.7	.9	10	11	<.1	5.2	.040	<.010	--	--	--	--
82-01-05	--	--	--	--	--	3.8	--	--	--	--	--	--
82-02-09	--	--	--	--	--	4.5	--	--	--	--	--	--
82-03-02	--	--	--	--	--	4.2	--	--	--	--	--	--
82-03-23	7.2	.9	9	9.0	--	5.3	<.010	<.010	--	--	--	--
82-04-11	--	--	--	--	--	3.2	--	--	--	--	--	--
82-05-04	--	--	--	--	--	3.6	--	--	--	--	--	--
82-06-08	--	--	--	--	--	4.0	--	--	--	--	--	--
82-06-21	5.7	.7	9	6.5	<.1	3.4	<.010	<.050	--	--	--	--
82-08-10	--	--	--	--	--	5.4	--	--	--	--	--	--
82-09-14	--	--	--	--	--	3.5	--	--	--	--	--	--
82-09-20	5.7	.7	9	6.5	--	3.8	<.010	<.010	--	<5	--	--

DATE OF SAMPLE	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	SELE- NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)
80-12-15	--	70	<10	--	<10	--	--	--	<10
81-05-06	--	100	160	--	<10	--	--	--	60
81-09-28	--	120	<30	--	<10	--	--	--	<10
82-01-05	--	--	--	--	--	--	--	--	--
82-02-09	--	--	--	--	--	--	--	--	--
82-03-02	--	--	--	--	--	--	--	--	--
82-03-23	--	80	<30	--	<10	--	--	--	30
82-04-11	--	--	--	--	--	--	--	--	--
82-05-04	--	--	--	--	--	--	--	--	--
82-06-08	--	--	--	--	--	--	--	--	--
82-06-21	--	140	60	--	<10	--	--	--	30
82-08-10	--	--	--	--	--	--	--	--	--
82-09-14	--	--	--	--	--	--	--	--	--
82-09-20	--	140	100	--	10	--	--	--	20

WATER QUALITY DATA, SEPTEMBER 1980 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENT- I- FIER	GEO- LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE- CIFIC CON- DUCT- ANCE LAB (UMHOS)	PH LAB (UNITS)	TUR- BID- ITY (NTU)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG)
404942072591601	S-23440 SCWA BEECHNUT AV	112GLCLU	80-09-16	165	180	--	.10	14	4.3
		112GLCLU	81-02-17	165	148	6.2	.12	9.3	3.1
		112GLCLU	81-07-26	165	177	5.7	.09	11	3.7
		112GLCLU	82-01-05	165	--	--	--	--	--
		112GLCLU	82-01-18	165	150	5.8	.22	9.4	3.2
		112GLCLU	82-02-04	165	--	--	--	--	--
		112GLCLU	82-04-15	165	124	6.1	.28	3.8	2.9
		112GLCLU	82-05-04	165	--	--	--	--	--
		112GLCLU	82-06-08	165	--	--	--	--	--
		112GLCLU	82-07-06	165	165	5.8	.15	10	3.4
		112GLCLU	82-08-01	165	--	--	--	--	--
		112GLCLU	82-09-08	165	--	--	--	--	--

DATE OF SAMPLE	SODIUM, TOTAL RECOV- ERABLE (MG/L AS NA)	POTAS- SIUM, TOTAL RECOV- ERABLE (MG/L AS K)	ALKA- LINITY FIELD (MG/L AS CACO3)	CHLO- RIDE, DIS- SOLVEC (MG/L AS CL)	FLUO- RIDE, TOTAL (MG/L AS F)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORLS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)
80-09-16	14	2.2	24	15	--	6.6	<.010	<.010	--	<5	60	--
81-02-17	11	1.6	19	10	--	4.3	<.010	.060	--	--	--	--
81-07-26	14	2.0	23	15	<.1	5.9	<.010	<.010	--	--	--	--
82-01-05	--	--	--	15	--	4.5	--	--	--	--	--	--
82-01-18	12	1.9	20	11	--	5.0	<.010	<.010	--	--	--	--
82-02-04	--	--	--	13	--	4.6	--	--	--	--	--	--
82-04-15	11	1.7	21	12	<.1	3.8	<.010	<.010	--	--	--	--
82-05-04	--	--	--	12	--	4.7	--	--	--	--	--	--
82-06-08	--	--	--	--	--	6.0	--	--	--	--	--	--
82-07-06	13	2.2	19	14	--	5.8	<.010	.700	--	<5	--	--
82-08-01	--	--	--	25	--	6.9	--	--	--	--	--	--
82-09-08	--	--	--	15	--	6.7	--	--	--	--	--	--

DATE OF SAMPLE	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	SELE- NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)
80-09-16	--	40	<10	--	110	--	--	--	<10
81-02-17	--	30	540	--	80	--	--	--	<10
81-07-26	--	30	<30	--	120	--	--	--	30
82-01-05	--	--	--	--	--	--	--	--	--
82-01-13	--	30	<30	--	100	--	--	--	10
82-02-04	--	--	--	--	--	--	--	--	--
82-04-15	--	30	<30	--	70	--	--	--	190
82-05-04	--	--	--	--	--	--	--	--	--
82-06-08	--	--	--	--	--	--	--	--	--
82-07-06	--	100	<30	--	110	--	--	--	--
82-08-01	--	--	--	--	--	--	--	--	--
82-09-08	--	--	--	--	--	--	--	--	--

QUALITY OF GROUND WATER

WATER QUALITY DATA, SEPTEMBER 1980 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENT- I- FIER	GEO- LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE- CIFIC CON- DUCT- ANCE LAB (UMHOS)	PH LAB (UNITS)	TUR- BID- ITY (NTU)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG)
404659073164101	S 23445 SCWA EMJAY BLVD.	211MGTY	80-10-25	608	44	5.7	.20	3.3	1.1
		211MGTY	81-03-11	608	61	5.7	.11	4.1	1.2
		211MGTY	81-08-19	608	44	5.6	.19	2.3	1.0
		211MGTY	82-01-26	608	43	5.3	.10	2.1	.9
		211MGTY	82-05-04	608	49	5.8	.18	2.2	1.0
		211MGTY	82-08-12	608	48	5.8	.18	2.0	.9
405158073030001	S 23524 SCWA BOYLE RD	112GLCLU	80-11-19	446	49	6.4	.17	3.1	1.0
		112GLCLU	81-04-21	446	43	5.9	.16	3.2	1.1
		112GLCLU	81-09-22	446	44	5.5	.18	2.8	1.1
		112GLCLU	82-03-23	446	42	6.2	.30	2.7	1.0
		112GLCLU	82-06-29	446	49	6.5	.26	2.7	1.0

DATE OF SAMPLE	SODIUM, TOTAL RECOV- ERABLE (MG/L AS NA)	POTAS- SIUM, TOTAL RECOV- ERABLE (MG/L AS K)	ALKA- LINITY FIELD (MG/L AS CACO3)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, TOTAL (MG/L AS F)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)
80-10-25	3.4	.4	8	3.5	--	.83	<.010	<.010	--	--	--	--
81-03-11	4.1	.4	9	4.5	--	1.1	<.010	.080	--	--	--	--
81-08-19	3.9	.4	10	6.5	<.1	1.0	<.010	.250	--	--	--	--
82-01-26	3.7	.3	10	5.0	--	.87	<.010	<.010	--	--	--	--
82-05-04	4.1	.4	9	5.0	<.1	1.1	<.010	.200	--	--	--	--
82-08-12	3.9	.4	10	5.0	--	.85	<.010	<.010	--	<5	--	--
80-11-19	3.9	.4	11	5.0	--	.16	<.010	<.010	--	<5	<20	--
81-04-21	4.1	.4	13	6.0	--	.62	<.010	.160	<.010	--	--	--
81-09-22	4.2	.5	16	4.0	<.1	.80	<.010	<.010	--	--	--	--
82-03-23	4.2	.4	12	3.0	--	.86	<.010	<.010	--	--	--	--
82-06-29	4.2	.4	10	5.0	<.1	.91	<.010	<.010	--	--	--	--

DATE OF SAMPLE	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	SELE- NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)
80-10-25	--	70	<10	--	<10	--	--	--	90
81-03-11	--	80	50	--	<20	--	--	--	60
81-08-19	--	160	<30	--	<10	--	--	--	20
82-01-26	--	60	<30	--	<10	--	--	--	10
82-05-04	--	80	30	--	<10	--	--	--	70
82-08-12	--	80	<30	--	<10	--	--	--	10
80-11-19	--	30	<10	--	<10	--	--	--	40
81-04-21	--	20	<30	--	<10	--	--	--	100
81-09-22	--	<20	<30	--	10	--	--	--	50
82-03-23	--	30	<30	--	<10	--	--	--	10
82-06-29	--	20	<30	--	30	--	--	--	10

WATER QUALITY DATA, SEPTEMBER 1980 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH LAB (UNITS)	TUR-BID-ITY (NTU)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
405047073120601	S 23631 SCWA NEW YORK AV	211MGTY	80-09-25	595	48	--	.19	3.1	1.5
		211MGTY	81-02-24	595	52	6.5	.29	3.1	1.6
		211MGTY	81-08-05	595	48	6.0	1.5	3.4	1.7
		211MGTY	82-01-27	595	53	5.9	.70	3.4	1.6
		211MGTY	82-02-10	595	--	--	--	--	--
		211MGTY	82-03-09	595	--	--	--	--	--
		211MGTY	82-04-14	595	--	--	--	--	--
		211MGTY	82-04-21	595	49	6.0	4.5	3.1	1.6
		211MGTY	82-05-10	595	--	--	--	--	--
		211MGTY	82-06-18	595	--	--	--	--	--
		211MGTY	82-07-14	595	--	--	--	--	--
		211MGTY	82-07-19	595	51	6.0	.45	3.1	1.6
		211MGTY	82-08-12	595	--	--	--	--	--
405309073223402	S 23699 SCWA MEADE DR.	112GLCLU	82-05-05	185	--	--	--	--	--

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)
80-09-25	3.3	.5	18	2.5	--	<.01	<.010	<.010	--	<5	<30	--
81-02-24	3.5	.5	17	3.5	--	<.10	<.050	<.050	--	--	--	--
81-08-05	3.7	.5	18	5.5	<.1	<.05	<.010	<.010	--	--	--	--
82-01-27	3.6	.5	17	4.5	--	<.05	<.010	<.010	.210	--	--	--
82-02-10	--	--	--	--	--	--	--	--	.200	--	--	--
82-03-09	--	--	--	--	--	--	--	--	.600	--	--	--
82-04-14	--	--	--	--	--	--	--	--	.120	--	--	--
82-04-21	3.8	.5	16	3.0	--	<.01	<.010	<.010	.190	--	--	--
82-05-10	--	--	--	--	--	--	--	--	.260	--	--	--
82-06-18	--	--	--	--	--	--	--	--	1.18	--	--	--
82-07-14	--	--	--	--	--	--	--	--	.380	--	--	--
82-07-19	4.2	.6	17	4.0	--	.05	<.010	<.010	.450	<5	--	--
82-08-12	--	--	--	--	--	--	--	--	.510	--	--	--
82-05-05	--	--	--	--	--	3.8	--	--	--	--	--	--

DATE OF SAMPLE	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
80-09-25	--	20	1020	--	<10	--	--	--	20
81-02-24	<10	<20	1050	--	<10	--	--	--	20
81-08-05	--	30	--	--	20	--	--	--	90
82-01-27	--	20	900	--	<10	--	--	--	20
82-02-10	--	--	--	--	--	--	--	--	--
82-03-09	--	--	1270	--	--	--	--	--	--
82-04-14	--	--	850	--	--	--	--	--	--
82-04-21	<100	40	900	--	<10	--	--	--	40
82-05-10	--	--	900	--	--	--	--	--	--
82-06-18	--	--	910	--	--	--	--	--	--
82-07-14	--	--	1010	--	--	--	--	--	--
82-07-19	--	10	970	--	20	--	--	--	110
82-08-12	--	--	920	--	--	--	--	--	--
82-05-05	--	--	--	--	--	--	--	--	--

WATER QUALITY DATA, SEPTEMBER 1980 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH LAB (UNITS)	TUR-BID-ITY (NTU)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
404955073170402	S 23715 SCWA SCHUYLER DR	112GLCLU	80-10-02	313	138	6.1	.12	9.2	3.9
		112GLCLU	81-02-10	313	139	7.0	.09	9.9	3.6
		112GLCLU	81-08-05	313	143	5.6	.16	--	4.2
		112GLCLU	82-01-02	313	149	5.4	.19	8.8	4.0
		112GLCLU	82-01-08	313	--	--	--	--	--
		112GLCLU	82-02-08	313	--	--	--	--	--
		112GLCLU	82-03-12	313	--	--	--	--	--
		112GLCLU	82-04-13	313	130	6.2	.11	9.6	4.0
		112GLCLU	82-05-03	313	--	--	--	--	--
		112GLCLU	82-06-11	313	--	--	--	--	--
		112GLCLU	82-07-14	313	144	5.9	.20	9.0	4.1
		112GLCLU	82-07-15	313	--	--	--	--	--
		112GLCLU	82-08-04	313	--	--	--	--	--
		112GLCLU	82-09-07	313	--	--	--	--	--

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)
80-10-02	9.8	.8	19	12	--	5.5	<.010	<.010	--	<5	<30	--
81-02-10	9.7	.8	21	11	--	5.0	<.010	<.010	--	--	--	--
81-08-05	11	.9	21	13	<.1	5.6	.070	<.010	--	--	--	--
82-01-02	11	.9	20	11	--	5.7	<.010	<.010	--	--	--	--
82-01-08	--	--	--	--	--	5.3	--	--	--	--	--	--
82-02-08	--	--	--	--	--	7.6	--	--	--	--	--	--
82-03-12	--	--	--	--	--	5.8	--	--	--	--	--	--
82-04-13	10	.9	20	11	<.1	5.6	<.010	<.010	--	--	--	--
82-05-03	--	--	--	--	--	5.2	--	--	--	--	--	--
82-06-11	--	--	--	--	--	2.1	--	--	--	--	--	--
82-07-14	12	1.0	20	11	--	5.6	<.010	<.010	--	<5	--	--
82-07-15	--	--	--	--	--	5.5	--	--	--	--	--	--
82-08-04	--	--	--	--	--	5.8	--	--	--	--	--	--
82-09-07	--	--	--	--	--	5.8	--	--	--	--	--	--

DATE OF SAMPLE	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
80-10-02	--	90	<10	--	<10	--	--	--	<10
81-02-10	--	90	<30	--	<10	--	--	--	20
81-08-05	--	140	<30	--	<10	--	--	--	30
82-01-02	--	60	<30	--	<10	--	--	--	10
82-01-08	--	--	--	--	--	--	--	--	--
82-02-08	--	--	--	--	--	--	--	--	--
82-03-12	--	--	--	--	--	--	--	--	--
82-04-13	--	70	<30	--	<10	--	--	--	180
82-05-03	--	--	--	--	--	--	--	--	--
82-06-11	--	--	--	--	--	--	--	--	--
82-07-14	--	80	30	--	50	--	--	--	10
82-07-15	--	--	--	--	--	--	--	--	--
82-08-04	--	--	--	--	--	--	--	--	--
82-09-07	--	--	--	--	--	--	--	--	--

WATER QUALITY DATA, SEPTEMBER 1980 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH LAB (UNITS)	TUR-BID-ITY (NTU)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
404922073162701	S 23832 SCWA WICKS RD.	211MGTY	80-10-01	409	61	5.7	.06	3.9	1.1
		211MGTY	81-02-10	409	69	5.5	.10	3.9	1.3
		211MGTY	81-08-04	409	72	5.4	.16	4.5	1.5
		211MGTY	82-01-02	409	70	5.5	.09	5.1	1.3
		211MGTY	82-04-05	409	92	6.1	.18	4.9	1.8
		211MGTY	82-07-14	409	98	5.6	.17	5.4	1.9

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)
80-10-01	4.7	.6	7	7.0	--	3.1	<.010	<.010	--	<5	<30	--
81-02-10	5.7	.6	7	6.5	--	3.5	.010	<.010	--	--	--	--
81-08-04	6.5	.7	9	9.5	<.1	3.8	.060	<.010	--	--	--	--
82-01-02	5.7	.7	11	7.5	--	3.6	<.010	<.010	--	--	--	--
82-04-05	7.6	.8	11	9.5	<.1	5.1	<.010	<.010	--	--	--	--
82-07-14	7.7	.8	9	9.0	--	5.5	<.010	<.010	--	<5	--	--

DATE OF SAMPLE	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
80-10-01	--	90	<10	--	<10	--	--	--	60
81-02-10	--	170	--	--	20	--	--	--	10
81-08-04	--	130	<10	--	<10	--	--	--	70
82-01-02	--	140	<30	--	<10	--	--	--	80
82-04-05	--	130	<30	--	10	--	--	--	30
82-07-14	--	100	60	--	<10	--	--	--	260

WATER QUALITY DATA, SEPTEMBER 1980 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENT- I- FIER	GEO- LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE- CIFIC CON- DUCT- ANCE LAB (UMHOS)	PH LAB (UNITS)	TUR- BID- ITY (NTU)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG)
404430073211301	S 23866 SCWA WYANDANCH A	211MGTY	80-12-22	634	24	5.5	3.8	1.6	.3
		211MGTY	81-07-14	634	20	5.0	.40	.8	.3
		211MGTY	81-11-17	634	21	4.5	.36	.9	.2
		211MGTY	82-01-06	634	--	--	--	--	--
		211MGTY	82-02-04	634	27	4.2	2.0	1.3	.2
		211MGTY	82-03-04	634	--	--	--	--	--
		211MGTY	82-04-17	634	--	--	--	--	--
		211MGTY	82-05-05	634	--	--	--	--	--
		211MGTY	82-06-07	634	--	--	--	--	--
		211MGTY	82-07-06	634	34	5.5	1.3	.9	.2
		211MGTY	82-08-04	634	--	--	--	--	--
		211MGTY	82-09-08	634	--	--	--	--	--

DATE OF SAMPLE	SODIUM, TOTAL RECOV- ERABLE (MG/L AS NA)	POTAS- SIUM, TOTAL RECOV- ERABLE (MG/L AS K)	ALKA- LINITY FIELD (MG/L AS CACO3)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, TOTAL (MG/L AS F)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)
80-12-22	2.3	.3	4	3.5	--	<.01	<.010	<.010	--	--	<20	--
81-07-14	2.3	.2	6	3.0	--	<.05	<.010	<.010	<.010	--	--	--
81-11-17	3.3	.5	6	4.5	<.1	<.05	<.010	<.010	.350	--	--	--
82-01-06	--	--	--	--	--	--	--	--	.170	--	--	--
82-02-04	3.8	.4	7	3.0	--	<.05	<.010	<.010	.550	--	--	--
82-03-04	--	--	--	--	--	--	--	--	.140	--	--	--
82-04-17	--	--	--	--	--	--	--	--	.070	--	--	--
82-05-05	--	--	--	--	--	--	--	--	.070	--	--	--
82-06-07	--	--	--	--	--	--	--	--	.090	--	--	--
82-07-06	3.7	.3	10	3.0	<.1	<.05	<.010	<.010	.480	--	--	--
82-08-04	--	--	--	--	--	--	--	--	.320	--	--	--
82-09-08	--	--	--	--	--	--	--	--	.200	--	--	--

DATE OF SAMPLE	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	SELE- NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)
80-12-22	--	70	730	--	<10	--	--	--	--
81-07-14	--	50	440	--	20	--	--	--	20
81-11-17	--	30	530	--	10	--	--	--	750
82-01-06	--	--	410	--	--	--	--	--	--
82-02-04	--	60	510	--	<10	--	--	--	160
82-03-04	--	--	650	--	--	--	--	--	--
82-04-17	--	--	590	--	--	--	--	--	--
82-05-05	--	--	470	--	--	--	--	--	--
82-06-07	--	--	540	--	--	--	--	--	--
82-07-06	--	50	470	--	<10	--	--	--	20
82-08-04	--	--	390	--	--	--	--	--	--
82-09-08	--	--	470	--	--	--	--	--	--

WATER QUALITY DATA, SEPTEMBER 1980 TO SEPTEMBER 1982

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH LAB (UNITS)	TUR-BID-ITY (NTU)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)
404806073100101	S 24047 SCWA NICOLL RD.	112GLCLU	80-09-30	134	175	--	.23	11	4.2
		112GLCLU	81-01-27	134	180	6.6	--	11	3.9
		112GLCLU	81-12-15	134	185	5.8	.08	9.6	3.6
		112GLCLU	82-01-07	134	--	--	--	--	--
		112GLCLU	82-02-23	134	--	--	--	--	--
		112GLCLU	82-03-11	134	--	--	--	--	--
		112GLCLU	82-04-27	134	--	--	--	--	--
		112GLCLU	82-05-19	134	--	--	--	--	--
		112GLCLU	82-06-27	134	220	6.0	.26	13	3.6
		112GLCLU	82-06-28	134	--	--	--	--	--
		112GLCLU	82-07-26	134	--	--	--	--	--
		112GLCLU	82-08-25	134	--	--	--	--	--
		112GLCLU	82-09-26	134	185	6.1	.09	11	3.5
		112GLCLU	82-09-27	134	--	--	--	--	--
405920072170301	S 24323 SCWA DIVISION ST	112GLCLU	80-09-08	174	70	--	.13	4.2	1.7

DATE OF SAMPLE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)
80-09-30	15	1.5	22	21	<.1	4.3	<.010	<.010	--	--	--	<1
81-01-27	15	1.5	21	21	--	4.9	<.010	.080	--	--	<30	--
81-12-15	17	1.9	18	23	<.1	4.6	<.010	<.010	--	--	--	--
82-01-07	--	--	--	--	--	4.4	--	--	--	--	--	--
82-02-23	--	--	--	--	--	4.7	--	--	--	--	--	--
82-03-11	--	--	--	--	--	2.7	--	--	--	--	--	--
82-04-27	--	--	--	--	--	3.3	--	--	--	--	--	--
82-05-19	--	--	--	--	--	5.3	--	--	--	--	--	--
82-06-27	19	1.8	23	27	<.1	4.9	<.010	.130	--	--	--	--
82-06-28	--	--	--	--	--	4.8	--	--	--	--	--	--
82-07-26	--	--	--	--	--	5.2	--	--	--	--	--	--
82-08-25	--	--	--	--	--	4.8	--	--	--	--	--	--
82-09-26	18	1.8	2	27	--	4.9	<.010	<.010	--	<5	--	--
82-09-27	--	--	--	--	--	4.9	--	--	--	--	--	--
80-09-08	6.1	.5	16	8.0	--	<.01	<.010	<.010	--	--	<20	--

DATE OF SAMPLE	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
80-09-30	--	70	70	<5	50	--	--	--	50
81-01-27	--	60	40	--	20	--	--	--	120
81-12-15	--	50	<30	--	60	--	--	--	50
82-01-07	--	--	--	--	--	--	--	--	--
82-02-23	--	--	--	--	--	--	--	--	--
82-03-11	--	--	--	--	--	--	--	--	--
82-04-27	--	--	--	--	--	--	--	--	--
82-05-19	--	--	--	--	--	--	--	--	--
82-06-27	--	60	300	--	20	--	--	--	370
82-06-28	--	--	--	--	--	--	--	--	--
82-07-26	--	--	--	--	--	--	--	--	--
82-08-25	--	--	--	--	--	--	--	--	--
82-09-26	--	40	<30	--	40	--	--	--	20
82-09-27	--	--	--	--	--	--	--	--	--
80-09-08	--	40	30	--	<10	--	--	--	20

MINOR ELEMENT ANALYSES OF GROUND WATER

WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

NASSAU COUNTY

All samples were collected and analyzed by U.S. Geological Survey.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)
404407073331501 N	9182 CD CK WELL 9A	211MGTY	82-02-22	195	20	--	--	<1	3
		211MGTY	82-08-18	195	100	--	--	<1	8
404407073331502 N	9183 CD CK WELL 9B	211MGTY	82-02-22	105	110	--	--	<1	5
		211MGTY	82-08-18	105	90	--	--	<1	15
404407073331503 N	9184 CD CK WELL 9C	112GLCLU	82-02-22	45	1000	--	--	1	3
		112GLCLU	82-08-18	45	790	--	--	1	31
404404073330401 N	9193 CD CK WELL 10A	211MGTY	82-02-23	205	80	--	--	<1	3
		211MGTY	82-08-16	205	200	--	--	2	3
404404073330402 N	9194 CD CK WELL 10B	211MGTY	82-02-23	105	10	--	--	<1	2
		211MGTY	82-08-16	105	90	--	--	18	14
404404073330403 N	9195 CD CK WELL 10C	112GLCLU	82-02-23	45	420	--	--	<1	2
		112GLCLU	82-08-16	45	610	--	--	35	6

DATE OF SAMPLE	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, SUS-PENDED RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LITHIUM TOTAL RECOV-ERABLE (UG/L AS LI)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MOLYB-DENUM, TOTAL RECOV-ERABLE (UG/L AS MO)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)
82-02-22	--	10	50	40	10	2	--	<10	--	--	--	<1
82-08-18	--	8	30	--	--	2	--	10	--	--	--	<1
82-02-22	--	32	230	210	20	1	--	<10	--	--	--	<1
82-08-18	--	6	110	--	--	4	--	10	--	--	--	<1
82-02-22	--	10	1000	990	10	5	--	30	--	--	--	<1
82-08-18	--	7	760	--	--	5	--	30	--	--	--	<1
82-02-23	--	5	540	480	63	3	--	10	--	--	--	<1
82-08-16	--	11	1400	--	--	28	--	30	--	--	--	<1
82-02-23	--	<1	90	10	76	2	--	520	--	--	--	<1
82-08-16	--	15	220	--	--	260	--	580	--	--	--	<1
82-02-23	--	2	70	20	52	2	--	510	--	--	--	<1
82-08-16	--	11	130	--	--	480	--	450	--	--	--	<1

DATE OF SAMPLE	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
82-02-22	20
82-08-18	30
82-02-22	20
82-08-18	<10
82-02-22	30
82-08-18	20
82-02-23	20
82-08-16	<10
82-02-23	50
82-08-16	20
82-02-23	130
82-08-16	10

MINOR ELEMENT ANALYSES OF GROUND WATER

WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

NASSAU COUNTY--Continued

All samples were collected and analyzed by U.S. Geological Survey.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)
404404073325301 N	9196 CO CK WELL 11A	211MGTY	82-02-22	205	<10	--	--	1	3
		211MGTY	82-06-09	205	70	--	--	6	1
		211MGTY	82-08-17	205	40	--	--	5	6
404404073325302 N	9197 CO CK WELL 11B	211MGTY	82-02-22	95	30	--	--	<1	2
		211MGTY	82-06-09	95	70	--	--	42	1
		211MGTY	82-08-17	95	40	--	--	7	3
404404073325303 N	9198 CO CK WELL 11C	112GLCLU	82-02-22	45	600	--	--	<1	2
		112GLCLU	82-06-09	45	810	--	--	1	2
		112GLCLU	82-08-17	45	1400	1	100	10	10
		112GLCLU	82-09-15	45	--	1	100	1	10
404407073331601 N	9199 CO CK WELL 8A	211MGTY	82-02-22	105	10	--	--	<1	3
		211MGTY	82-08-17	105	20	--	--	2	3
404407073331602 N	9200 CO CK WELL 8B	112GLCLU	82-02-22	45	80	--	--	<1	4
		112GLCLU	82-08-17	45	330	--	--	2	8

DATE OF SAMPLE	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, SUS-PENDED RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LITHIUM TOTAL RECOV-ERABLE (UG/L AS LI)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MOLYB-DENUM, TOTAL RECOV-ERABLE (UG/L AS MO)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)
82-02-22	--	4	40	20	16	<1	--	20	--	--	--	<1
82-06-09	--	5	70	60	9	170	--	<10	--	--	--	<1
82-08-17	--	24	60	--	--	280	--	20	--	--	--	<1
82-02-22	--	11	40	--	<10	2	--	100	--	--	--	<1
82-06-09	--	7	60	50	9	720	--	100	--	--	--	<1
82-08-17	--	32	60	--	--	310	--	100	--	--	--	<1
82-02-22	--	15	400	--	<10	1	--	830	--	--	--	<1
82-06-09	--	18	350	330	25	2	--	810	--	--	--	<1
82-08-17	1	43	220	--	--	300	10	700	<1	7	<1	<1
82-09-15	5	16	320	300	20	7	--	720	--	12	<1	<1
82-02-22	--	12	60	--	--	<1	--	<10	--	--	--	<1
82-08-17	--	2	40	--	--	2	--	20	--	--	--	<1
82-02-22	--	8	120	--	<10	<1	--	<10	--	--	--	<1
82-08-17	--	39	410	--	--	1	--	20	--	--	--	<1

DATE OF SAMPLE	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
82-02-22	30
82-06-09	10
82-08-17	30
82-02-22	<10
82-06-09	20
82-08-17	40
82-02-22	90
82-06-09	80
82-08-17	130
82-09-15	120
82-02-22	20
82-08-17	30
82-02-22	10
82-08-17	40

MINOR ELEMENT ANALYSES OF GROUND WATER

WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

NASSAU COUNTY--Continued

All samples were collected and analyzed by U.S. Geological Survey.

STATION NUMBER	LOCAL IDENT- I- FIER	GEO- LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)
404353073331801	N 9219 CD CK WELL 14A	211MGTY	82-02-24	95	10	--	--	<1	7
		211MGTY	82-08-18	95	30	--	--	<1	12
404353073331802	N 9220 CD CK WELL 14B	112GLCLU	82-02-24	45	60	--	--	<1	2
		112GLCLU	82-08-18	45	50	--	--	<1	6
404351073332701	N 9221 CD CK WELL 16A	211MGTY	82-02-24	95	<10	--	--	<1	3
		211MGTY	82-08-18	95	20	--	--	1	7
404351073332702	N 9222 CD CK WELL 16B	112GLCLU	82-02-24	45	80	--	--	<1	3
		112GLCLU	82-08-18	45	70	--	--	1	6
404346073332001	N 9223 CD CK WELL 17A	211MGTY	82-02-24	105	<10	--	--	<1	2
		211MGTY	82-08-18	105	30	--	--	<1	11
404346073332002	N 9224 CD CK WELL 17B	112GLCLU	82-02-24	45	<10	--	--	<1	2
		112GLCLU	82-08-18	45	40	--	--	<1	16
404345073324301	N 9247 CD CK WELL 15A	211MGTY	82-02-23	95	40	--	--	<1	2
		211MGTY	82-08-17	95	50	--	--	<1	7

DATE OF SAMPLE	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDED RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LITHIUM TOTAL RECOV- ERABLE (UG/L AS LI)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MOLYB- DENUM, TOTAL RECOV- ERABLE (UG/L AS MO)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)
82-02-24	--	4	30	10	22	3	--	10	--	--	--	<1
82-08-18	--	<1	40	--	--	3	--	10	--	--	--	<1
82-02-24	--	6	110	100	10	4	--	<10	--	--	--	<1
82-08-18	--	34	160	--	--	5	--	10	--	--	--	<1
82-02-24	--	5	30	--	<3	1	--	<10	--	--	--	<1
82-08-18	--	67	50	--	--	5	--	20	--	--	--	<1
82-02-24	--	11	20	10	7	3	--	610	--	--	--	<1
82-08-18	--	33	50	--	--	5	--	690	--	--	--	<1
82-02-24	--	7	--	--	--	3	--	<10	--	--	--	<1
82-08-18	--	23	50	--	--	6	--	10	--	--	--	<1
82-02-24	--	9	--	--	--	4	--	<10	--	--	--	<1
82-08-18	--	7	40	--	--	4	--	10	--	--	--	<1
82-02-23	--	10	80	70	11	3	--	10	--	--	--	<1
82-08-17	--	34	60	--	--	3	--	10	--	--	--	<1

DATE OF SAMPLE	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)
82-02-24	10
82-08-18	10
82-02-24	30
82-08-18	30
82-02-24	10
82-08-18	40
82-02-24	10
82-08-18	20
82-02-24	100
82-08-18	30
82-02-24	80
82-08-18	<10
82-02-23	40
82-08-17	30

MINOR ELEMENT ANALYSES OF GROUND WATER

WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

NASSAU COUNTY--Continued

All samples were collected and analyzed by U.S. Geological Survey.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)
404345073324302 N	9248 CD CK WELL 15B	112GLCLU	82-02-23	45	30	--	--	<1	3
		112GLCLU	82-08-17	45	50	--	--	<1	22
404410073331201 N	9360 CD CK WELL 3A	211MGTY	82-02-23	205	10	--	--	1	3
		211MGTY	82-08-17	205	30	--	--	11	2
404410073331202 N	9361 CD CK WELL 3B	211MGTY	82-02-23	100	30	--	--	<1	3
		211MGTY	82-08-17	100	50	--	--	21	<1
404410073331203 N	9362 CD CK WELL 3C	112GLCLU	82-02-23	45	200	--	--	1	3
		112GLCLU	82-08-17	45	--	--	--	37	8
404412073331305 N	9363 CD CK WELL 4A	211MGTY	82-02-23	103	10	--	--	<1	3
		211MGTY	82-06-10	103	60	--	--	9	<1
		211MGTY	82-08-17	103	40	1	100	6	10
404412073331306 N	9364 CD CK WELL 4B	112GLCLU	82-02-23	45	400	--	--	1	3
		112GLCLU	82-06-10	45	380	--	--	7	1
		112GLCLU	82-08-17	45	800	1	100	3	10

DATE OF SAMPLE	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, SUS-PENDED RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LITHIUM TOTAL RECOV-ERABLE (UG/L AS LI)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MOLYB-DENUM, TOTAL RECOV-ERABLE (UG/L AS MO)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)
82-02-23	--	12	20	0	20	2	--	20	--	--	--	<1
82-08-17	--	13	50	--	--	4	--	30	--	--	--	<1
82-02-23	--	10	50	30	20	4	--	<10	--	--	--	<1
82-08-17	--	26	30	--	--	110	--	10	--	--	--	<1
82-02-23	--	6	80	60	20	<1	--	30	--	--	--	<1
82-08-17	--	39	40	--	--	260	--	20	--	--	--	<1
82-02-23	--	7	160	150	10	6	--	70	--	--	--	<1
82-08-17	--	20	1800	--	--	420	--	260	--	--	--	<1
82-02-23	--	8	40	--	--	4	--	<10	--	--	--	<1
82-06-10	--	9	70	60	11	170	--	<10	--	--	--	<1
82-08-17	3	12	40	--	--	390	<10	10	<1	4	<1	<1
82-02-23	--	8	150	--	--	4	--	360	--	--	--	<1
82-06-10	--	15	220	190	27	150	--	630	--	--	--	<1
82-08-17	3	16	250	--	--	3	<10	960	<1	18	<1	<1

DATE OF SAMPLE	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
82-02-23	20
82-08-17	30
82-02-23	<10
82-08-17	10
82-02-23	<10
82-08-17	10
82-02-23	<10
82-08-17	20
82-02-23	<10
82-06-10	10
82-08-17	30
82-02-23	50
82-06-10	20
82-08-17	50

MINOR ELEMENT ANALYSES OF GROUND WATER

WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

NASSAU COUNTY--Continued

All samples were collected and analyzed by U.S. Geological Survey.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)
404351073330901	N 9365 CO CK WELL 19A	211MGTY	82-02-24	95	10	--	--	<1	2
		211MGTY	82-08-16	95	<10	--	--	21	1
404351073330902	N 9366 CO CK WELL 19B	112GLCLU	82-02-24	45	20	--	--	<1	1
		112GLCLU	82-08-16	45	250	--	--	9	13
404401073324801	N 9367 CO CK WELL 12A	211MGTY	82-02-22	105	40	--	--	<1	3
		211MGTY	82-06-09	105	40	--	--	16	<1
		211MGTY	82-08-17	105	50	--	--	4	2
404401073324802	N 9368 CO CK WELL 12B	112GLCLU	82-02-22	45	90	--	--	<1	47
		112GLCLU	82-06-09	45	60	--	--	6	1
		112GLCLU	82-08-17	45	40	<1	100	8	10
		112GLCLU	82-09-15	45	--	1	<100	1	10
404414073325301	N 9449 CO CK WELL 5A	211MGTY	82-02-23	198	600	--	--	1	3
		211MGTY	82-08-18	198	--	--	--	1	8
404414073325302	N 9450 CO CK WELL 5B	211MGTY	82-02-23	105	100	--	--	<1	2
		211MGTY	82-08-18	105	140	--	--	<1	4

DATE OF SAMPLE	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, SUS-PENDED RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LITHIUM TOTAL RECOV-ERABLE (UG/L AS LI)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MOLYB-DENUM, TOTAL RECOV-ERABLE (UG/L AS MO)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)
82-02-24	--	4	20	20	5	4	--	<10	--	--	--	<1
82-08-16	--	8	50	--	--	180	--	30	--	--	--	<1
82-02-24	--	5	10	10	3	2	--	40	--	--	--	<1
82-08-16	--	11	330	--	--	270	--	20	--	--	--	<1
82-02-22	--	12	70	--	<10	1	--	750	--	--	--	<1
82-06-09	--	8	60	50	14	270	--	960	--	--	--	<1
82-08-17	--	13	30	--	--	180	--	1000	--	--	--	<1
82-02-22	--	42	180	160	20	<1	--	20	--	--	--	<1
82-06-09	--	5	40	20	16	140	--	20	--	--	--	<1
82-08-17	<1	12	30	--	--	350	<10	10	<1	6	<1	<1
82-09-15	5	6	150	140	13	6	--	10	--	6	<1	<1
82-02-23	--	10	18000	18000	450	9	--	<10	--	--	--	<1
82-08-18	--	8	1800	--	--	3	--	10	--	--	--	<1
82-02-23	--	10	90	80	10	1	--	20	--	--	--	2
82-08-18	--	24	160	--	--	3	--	20	--	--	--	<1

DATE OF SAMPLE	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
82-02-24	20
82-08-16	<10
82-02-24	10
82-08-16	<10
82-02-22	20
82-06-09	30
82-08-17	50
82-02-22	10
82-06-09	10
82-08-17	30
82-09-15	10
82-02-23	<10
82-08-18	10
82-02-23	10
82-08-18	20

WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

NASSAU COUNTY--Continued

All samples were collected and analyzed by U.S. Geological Survey.

STATION NUMBER	LOCAL IDENT- I- FIER	GEO- LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)
404414073325303	N 9451 CD CK WELL 5C	112GLCLU	82-02-23	45	900	--	--	<1	3
		112GLCLU	82-08-18	45	3500	--	--	<1	6

DATE OF SAMPLE	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDED RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LITHIUM TOTAL RECOV- ERABLE (UG/L AS LI)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MOLYB- DENUM, TOTAL RECOV- ERABLE (UG/L AS MO)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)
82-02-23	--	9	90	70	17	2	--	430	--	--	--	<1
82-08-18	--	20	50	--	--	2	--	720	--	--	--	<1

DATE OF SAMPLE	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)
82-02-23	50
82-08-18	80

Geological unit (aquifer):
112GLCLU - Upper Glacial Aquifer, Pleistocene age.
112GRDR - Gardiners Clay, Pleistocene age.
112JMCO - Jameco Gravel, Pleistocene age.
211LLYD - Llyod Aquifer, Cretaceous age.
211MGTY - Magothy Aquifer, Cretaceous age.
211RNCF - Raritan Confining Unit, Cretaceous age.

PESTICIDE ANALYSES OF GROUND WATER

WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

NASSAU COUNTY--Continued

All samples were collected and analyzed by U.S. Geological Survey.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	PCB, TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)
404407073331501 N	9182 CD CK WELL 9A	211MGTY	82-02-22	195	<.10	<.00	<.10	<.00	<.00
		211MGTY	82-08-18	195	<.10	<.00	<.10	<.00	<.00
404407073331502 N	9183 CD CK WELL 9B	211MGTY	82-02-22	105	<.10	<.00	<.10	<.00	<.00
		211MGTY	82-08-18	105	<.10	<.00	<.10	<.00	<.00
404407073331503 N	9184 CD CK WELL 9C	112GLCLU	82-02-22	45	<.10	<.00	<.10	<.00	<.00
		112GLCLU	82-08-18	45	<.10	<.00	<.10	<.00	<.00
404404073330401 N	9193 CD CK WELL 10A	211MGTY	82-02-23	205	<.10	<.00	<.10	<.00	<.00
		211MGTY	82-08-16	205	<.10	<.00	<.10	<.00	<.00
404404073330402 N	9194 CD CK WELL 10B	211MGTY	82-02-23	105	<.10	<.00	<.10	<.00	.00
		211MGTY	82-08-16	105	<.10	<.00	<.10	<.00	<.00
404404073330403 N	9195 CD CK WELL 10C	112GLCLU	82-02-23	45	<.10	<.00	<.10	<.00	.00
		112GLCLU	82-08-16	45	<.10	<.00	<.10	<.00	<.00

DATE OF SAMPLE	DDT, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)
82-02-22	<.00	<.01	<.00	<.00	<.00	<.01	<.00	<.00	<.00	<.01	<.01	<.01
82-08-18	<.00	<.01	<.00	<.00	<.00	<.01	<.00	<.00	<.00	<.01	<.01	<.01
82-02-22	<.00	<.01	.01	<.00	<.00	<.01	<.00	.00	<.00	<.01	<.01	<.01
82-08-18	<.00	<.01	<.00	<.00	<.00	<.01	<.00	<.00	<.00	<.01	<.01	<.01
82-02-22	.01	<.01	.05	<.00	<.00	<.01	<.00	.01	<.00	<.01	<.01	<.01
82-08-18	.01	<.01	.08	<.00	<.00	<.01	<.00	<.00	<.00	<.01	<.01	<.01
82-02-23	<.00	<.01	<.00	<.00	<.00	<.01	<.00	<.00	<.00	<.01	<.01	<.01
82-08-16	<.00	<.01	<.00	<.00	<.00	<.01	<.00	<.00	<.00	<.01	<.01	<.01
82-02-23	.00	<.01	.03	<.00	<.00	<.01	<.00	.01	<.00	<.01	<.01	<.01
82-08-16	<.00	<.01	.04	<.00	<.00	<.01	<.00	<.00	<.00	<.01	<.01	<.01
82-02-23	<.00	<.01	.06	<.00	<.00	<.01	<.00	.01	<.00	<.01	<.01	<.01
82-08-16	<.00	<.01	.06	<.00	<.00	<.01	.01	<.00	<.00	<.01	<.01	<.01

DATE OF SAMPLE	MIREX, TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
82-02-22	<.01	<.10	<.01	<.01	<0	<.01	<.01	<.01	<.01	<.01
82-08-18	<.01	<.10	<.01	<.10	<1	<.01	<.01	<.01	<.01	<.01
82-02-22	<.01	<.10	<.01	<.01	<0	<.01	<.01	<.01	<.01	.04
82-08-18	<.01	<.10	<.01	<.10	<1	<.01	<.01	<.01	<.01	.04
82-02-22	<.01	<.10	<.01	<.01	<0	<.01	<.01	<.01	<.01	<.01
82-08-18	<.01	<.10	<.01	<.10	<1	<.01	<.01	<.01	<.01	<.01
82-02-23	<.01	<.10	<.01	<.01	<0	<.01	<.01	<.01	<.01	<.01
82-08-16	<.01	<.10	<.01	<.10	<1	<.01	<.01	<.01	<.01	<.01
82-02-23	<.01	<.10	<.01	<.01	<0	<.01	<.01	<.01	<.01	<.01
82-08-16	<.01	<.10	<.01	<.10	<1	<.01	.02	.02	<.01	<.01
82-02-23	<.01	<.10	<.01	<.01	<0	<.01	<.01	<.01	<.01	<.01
82-08-16	<.01	<.10	<.01	<.10	<1	<.01	--	--	<.01	--

PESTICIDE ANALYSES OF GROUND WATER

WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

NASSAU COUNTY--Continued

All samples were collected and analyzed by U.S. Geological Survey.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	PCB, TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)
404404073325301 N	9196 CD CK WELL 11A	211MGTY	82-02-22	205	<.10	<.00	<.10	<.00	<.00
		211MGTY	82-06-09	205	<.10	<.00	<.10	<.00	<.00
		211MGTY	82-08-17	205	<.10	<.00	<.10	<.00	<.00
404404073325302 N	9197 CD CK WELL 11B	211MGTY	82-02-22	95	<.10	<.00	<.10	<.00	<.00
		211MGTY	82-06-09	95	<.10	<.00	<.10	<.00	<.00
		211MGTY	82-08-17	95	<.10	<.00	<.10	<.00	<.00
404404073325303 N	9198 CD CK WELL 11C	112GLCLU	82-02-22	45	<.10	<.00	<.10	<.00	.00
		112GLCLU	82-06-09	45	<.10	<.00	<.10	<.00	<.00
		112GLCLU	82-08-17	45	<.10	<.00	<.10	<.00	<.00
		112GLCLU	82-09-15	45	<.10	<.01	<.10	<.01	<.01
404407073331601 N	9199 CD CK WELL 8A	211MGTY	82-02-22	105	<.10	<.00	<.10	<.00	<.00
		211MGTY	82-08-17	105	<.10	<.00	<.10	<.00	<.00
404407073331602 N	9200 CD CK WELL 8B	112GLCLU	82-02-22	45	<.10	<.00	<.10	<.00	<.00
		112GLCLU	82-08-17	45	<.10	<.00	<.10	<.00	<.00

DATE OF SAMPLE	DDT, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)
82-02-22	<.00	<.01	<.00	<.00	<.00	<.01	<.00	<.00	<.00	<.01	<.01	<.01
82-06-09	<.00	<.01	.02	<.00	<.00	<.01	<.00	<.00	<.00	<.01	<.01	<.01
82-08-17	<.00	<.01	<.00	<.00	<.00	<.01	<.00	<.00	<.00	<.01	<.01	<.01
82-02-22	<.00	<.01	.01	<.00	<.00	<.01	<.00	.00	<.00	<.01	<.01	<.01
82-06-09	<.00	<.01	.01	<.00	<.00	<.01	<.00	.01	<.00	<.01	<.01	<.01
82-08-17	<.00	<.01	.01	<.00	<.00	<.01	<.00	.01	.00	<.01	<.01	<.01
82-02-22	.00	<.01	.05	<.00	<.00	<.01	<.00	.02	<.00	<.01	<.01	<.01
82-06-09	<.00	<.01	<.00	<.00	<.00	<.01	<.00	<.00	<.00	<.01	<.01	<.01
82-08-17	<.00	<.01	.04	<.00	<.00	<.01	<.00	.02	<.00	<.01	<.01	<.01
82-09-15	<.01	--	.06	<.01	<.01	--	<.01	.02	<.01	--	--	--
82-02-22	<.00	<.01	.02	<.00	<.00	<.01	<.00	.00	<.00	<.01	<.01	<.01
82-08-17	<.00	<.01	.02	<.00	<.00	<.01	<.00	.00	<.00	<.01	<.01	<.01
82-02-22	<.00	<.01	.01	<.00	<.00	<.01	<.00	.00	<.00	<.01	<.01	<.01
82-08-17	<.00	<.01	.02	<.00	<.00	<.01	<.00	.01	<.00	<.01	<.01	<.01

DATE OF SAMPLE	MIREX, TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
82-02-22	<.01	<.10	<.01	<.01	<0	<.01	<.01	<.01	<.01	<.01
82-06-09	<.01	<.10	<.01	<.10	<1	<.01	<.01	<.01	<.01	<.01
82-08-17	<.01	<.10	<.01	<.10	<1	<.01	<.01	<.01	<.01	<.01
82-02-22	<.01	<.10	<.01	<.01	<0	<.01	<.01	<.01	<.01	<.01
82-06-09	<.01	<.10	<.01	<.10	<1	<.01	<.01	<.01	<.01	<.01
82-08-17	<.01	<.10	<.01	<.10	<1	<.01	<.01	<.01	<.01	<.01
82-02-22	<.01	<.10	<.01	<.01	<0	<.01	<.01	<.01	<.01	<.01
82-06-09	<.01	<.10	<.01	<.10	<1	<.01	<.01	<.01	<.01	<.01
82-08-17	<.01	<.10	<.01	<.10	<1	<.01	<.01	<.01	<.01	<.01
82-09-15	<.01	<.10	--	<.10	<1	--	--	--	<.01	--
82-02-22	<.01	<.10	<.01	<.01	<0	<.01	<.01	<.01	<.01	.01
82-08-17	<.01	<.10	<.01	<.10	<1	<.01	<.01	<.01	<.01	.01
82-02-22	<.01	<.10	<.01	<.01	<0	<.01	--	--	<.01	--
82-08-17	<.01	<.10	<.01	<.10	<1	<.01	<.01	<.01	<.01	<.01

PESTICIDE ANALYSES OF GROUND WATER

WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

NASSAU COUNTY--Continued

All samples were collected and analyzed by U.S. Geological Survey.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	PCB, TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)
404353073331801 N	9219 CD CK WELL 14A	211MGTY	82-02-24	95	<.10	<.00	<.10	<.00	<.00
		211MGTY	82-08-18	95	<.10	<.00	<.10	<.00	<.00
404353073331802 N	9220 CD CK WELL 14B	112GLCLU	82-02-24	45	<.10	<.00	<.10	<.00	<.00
		112GLCLU	82-08-18	45	<.10	<.00	<.10	<.00	<.00
404351073332701 N	9221 CD CK WELL 16A	211MGTY	82-02-24	95	<.10	<.00	<.10	<.00	<.00
		211MGTY	82-08-18	95	<.10	<.00	<.10	<.00	<.00
404351073332702 N	9222 CD CK WELL 16B	112GLCLU	82-02-24	45	<.10	<.00	<.10	<.00	<.00
		112GLCLU	82-08-18	45	<.10	<.00	<.10	<.00	<.00
404346073332001 N	9223 CD CK WELL 17A	211MGTY	82-02-24	105	<.10	<.00	<.10	<.00	<.00
		211MGTY	82-08-18	105	<.10	<.00	<.10	<.00	<.00
404346073332002 N	9224 CD CK WELL 17B	112GLCLU	82-02-24	45	<.10	<.00	<.10	<.00	<.00
		112GLCLU	82-08-18	45	<.10	<.00	<.10	<.00	<.00
404345073324301 N	9247 CD CK WELL 15A	211MGTY	82-02-23	95	<.10	<.00	<.10	<.00	<.00
		211MGTY	82-08-17	95	<.10	<.00	<.10	<.00	<.00

DATE OF SAMPLE	DDT, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)
82-02-24	<.00	<.01	.01	<.00	<.00	<.01	<.00	<.00	<.00	<.01	<.01	<.01
82-08-18	<.00	<.01	.00	<.00	<.00	<.01	<.00	<.00	<.00	<.01	<.01	<.01
82-02-24	<.00	<.01	.02	<.00	<.00	<.01	<.00	<.00	<.00	<.01	<.01	<.01
82-08-18	<.00	<.01	.01	<.00	<.00	<.01	<.00	<.00	<.00	<.01	<.01	<.01
82-02-24	<.00	<.01	.02	<.00	<.00	<.01	<.00	.01	<.00	<.01	<.01	<.01
82-08-18	<.00	<.01	.02	<.00	<.00	<.01	<.00	<.00	.00	<.01	<.01	<.01
82-02-24	<.00	<.01	.04	<.00	<.00	<.01	<.00	.02	<.00	<.01	<.01	<.01
82-08-18	<.00	<.01	.04	<.00	<.00	<.01	<.00	.01	<.00	<.01	<.01	<.01
82-02-24	<.00	<.01	<.00	<.00	<.00	<.01	<.00	<.00	<.00	<.01	<.01	<.01
82-08-18	<.00	<.01	<.00	<.00	<.00	<.01	<.00	<.00	<.00	<.01	<.01	<.01
82-02-24	<.00	<.01	.01	<.00	<.00	<.01	<.00	.00	<.00	<.01	<.01	<.01
82-08-18	.00	<.01	<.00	<.00	<.00	<.01	<.00	.00	<.00	<.01	<.01	<.01
82-02-23	<.00	<.01	<.00	<.00	<.00	<.01	<.00	<.00	<.00	<.01	<.01	<.01
82-08-17	<.00	<.01	<.00	<.00	<.00	<.01	<.00	<.00	<.00	<.01	<.01	<.01

DATE OF SAMPLE	MIREX, TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
82-02-24	<.01	<.10	<.01	<.01	<0	<.01	<.01	<.01	<.01	<.01
82-08-18	<.01	<.10	<.01	<.10	<1	<.01	<.01	<.01	<.01	<.01
82-02-24	<.01	<.10	<.01	<.01	<0	<.01	<.01	<.01	<.01	<.01
82-08-18	<.01	<.10	<.01	<.10	<1	<.01	.01	<.01	<.01	<.01
82-02-24	<.01	<.10	<.01	<.01	<0	<.01	<.01	<.01	<.01	<.01
82-08-18	<.01	<.10	<.01	<.10	<1	<.01	<.01	<.01	<.01	<.01
82-02-24	<.01	<.10	<.01	<.01	<0	<.01	<.01	<.01	<.01	<.01
82-08-18	<.01	<.10	<.01	<.10	<1	<.01	--	--	<.01	--
82-02-24	<.01	<.10	<.01	<.01	<0	<.01	<.01	<.01	<.01	<.01
82-08-18	<.01	<.10	<.01	<.10	<1	<.01	<.01	<.01	<.01	<.01
82-02-24	<.01	<.10	<.01	<.01	<0	<.01	<.01	<.01	<.01	<.01
82-08-18	<.01	<.10	<.01	<.10	<1	<.01	--	--	<.01	--
82-02-23	<.01	<.10	<.01	<.01	<0	<.01	<.01	<.01	<.01	<.01
82-08-17	<.01	<.10	<.01	<.10	<1	<.01	<.01	<.01	<.01	<.01

PESTICIDE ANALYSES OF GROUND WATER

WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

NASSAU COUNTY--Continued

All samples were collected and analyzed by U.S. Geological Survey.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	PCB, TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)
404345073324302 N	9248 CD CK WELL 15B	112GLCLU	82-02-23	45	<.10	<.00	<.10	<.00	<.00
		112GLCLU	82-08-17	45	<.10	<.00	<.10	<.00	<.00
404410073331201 N	9360 CD CK WELL 3A	211MGTY	82-02-23	205	<.10	<.00	<.10	<.00	<.00
		211MGTY	82-08-17	205	--	--	--	--	--
404410073331202 N	9361 CD CK WELL 3B	211MGTY	82-02-23	100	<.10	<.00	<.10	<.00	<.00
		211MGTY	82-08-17	100	<.10	<.00	<.10	<.00	<.00
404410073331203 N	9362 CD CK WELL 3C	112GLCLU	82-08-17	45	<.10	<.00	<.10	<.00	<.00
404412073331305 N	9363 CD CK WELL 4A	211MGTY	82-02-23	103	<.10	<.00	<.10	<.00	<.00
		211MGTY	82-06-10	103	<.10	<.00	<.10	<.00	<.00
		211MGTY	82-08-17	103	<.10	<.00	<.10	<.00	<.00
404412073331306 N	9364 CD CK WELL 4B	112GLCLU	82-02-23	45	<.10	<.00	<.10	<.00	<.00
		112GLCLU	82-06-10	45	<.10	<.00	<.10	<.00	<.00
		112GLCLU	82-08-17	45	<.10	<.00	<.10	<.00	<.00

DATE OF SAMPLE	DDT, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)
82-02-23	<.00	<.01	.02	<.00	<.00	<.01	<.00	.01	<.00	<.01	<.01	<.01
82-08-17	<.00	<.01	.02	<.00	<.00	<.01	<.00	.01	<.00	<.01	<.01	<.01
82-02-23	<.00	<.01	<.00	<.00	<.00	<.01	<.00	<.00	<.00	<.01	<.01	<.01
82-08-17	--	--	--	--	--	--	--	--	--	--	--	--
82-02-23	<.00	<.01	<.00	<.00	<.00	<.01	<.00	<.00	<.00	<.01	<.01	<.01
82-08-17	<.00	<.01	.01	<.00	<.00	<.01	<.00	<.00	<.00	<.01	<.01	<.01
82-08-17	.00	<.01	.07	<.00	<.00	<.01	<.00	<.00	<.00	<.01	<.01	<.01
82-02-23	<.00	<.01	.01	<.00	<.00	<.01	<.00	<.00	<.00	<.01	<.01	<.01
82-06-10	<.00	<.01	.01	<.00	<.00	<.01	<.00	<.00	<.00	<.01	<.01	<.01
82-08-17	<.00	<.01	<.00	<.00	<.00	<.01	<.00	<.00	<.00	<.01	<.01	<.01
82-02-23	<.00	<.01	.02	<.00	<.00	<.01	<.00	.01	<.00	<.01	<.01	<.01
82-06-10	<.00	<.01	.04	<.00	<.00	<.01	<.00	<.00	<.00	<.01	<.01	<.01
82-08-17	<.00	<.01	.05	<.00	<.00	<.01	<.00	<.00	<.00	<.01	<.01	<.01

DATE OF SAMPLE	MIREX, TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
82-02-23	<.01	<.10	<.01	<.01	<0	<.01	<.01	<.01	<.01	<.01
82-08-17	<.01	<.10	<.01	<.10	<1	<.01	<.01	<.01	<.01	<.01
82-02-23	<.01	<.10	<.01	<.01	<0	<.01	<.01	<.01	<.01	<.01
82-08-17	--	--	--	--	--	--	<.01	<.01	--	<.01
82-02-23	<.01	<.10	<.01	<.01	<0	<.01	<.01	<.01	<.01	.03
82-08-17	<.01	<.10	<.01	<.10	<1	<.01	<.01	<.01	<.01	.01
82-08-17	<.01	<.10	<.01	<.10	<1	<.01	<.01	<.01	<.01	<.01
82-02-23	<.01	<.10	<.01	<.01	<0	<.01	<.01	<.01	<.01	.20
82-06-10	<.01	<.10	<.01	<.10	<1	<.01	<.01	<.01	<.01	.15
82-08-17	<.01	<.10	<.01	<.10	<1	<.01	<.01	<.01	<.01	.14
82-02-23	<.01	<.10	<.01	<.01	<0	<.01	<.01	<.01	<.01	<.01
82-06-10	<.01	<.10	<.01	<.10	<1	<.01	<.01	<.01	<.01	<.01
82-08-17	<.01	<.10	<.01	<.10	<1	<.01	<.01	<.01	<.01	<.01

PESTICIDE ANALYSES OF GROUND WATER

WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

NASSAU COUNTY--Continued

All samples were collected and analyzed by U.S. Geological Survey.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	PCB, TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)
404351073330901	N 9365 CD CK WELL 19A	211MGTY	82-02-24	95	<.10	<.00	<.10	<.00	<.00
		211MGTY	82-08-16	95	<.10	<.00	<.10	<.00	<.00
404351073330902	N 9366 CD CK WELL 19B	112GLCLU	82-02-24	45	<.10	<.00	<.10	<.00	<.00
		112GLCLU	82-08-16	45	<.10	<.00	<.10	<.00	<.00
404401073324801	N 9367 CD CK WELL 12A	211MGTY	82-02-22	105	<.10	<.00	<.10	<.00	<.00
		211MGTY	82-06-09	105	<.10	<.00	<.10	<.00	<.00
		211MGTY	82-08-17	105	<.10	<.00	<.10	<.00	<.00
404401073324802	N 9368 CD CK WELL 12B	112GLCLU	82-02-22	45	<.10	<.00	<.10	<.00	<.00
		112GLCLU	82-06-09	45	<.10	<.00	<.10	<.00	<.00
		112GLCLU	82-08-17	45	<.10	<.00	<.10	<.00	.01
		112GLCLU	82-09-15	45	<.10	<.01	<.10	<.01	<.01
404414073325301	N 9449 CD CK WELL 5A	211MGTY	82-02-23	198	<.10	<.00	<.10	<.00	<.00
		211MGTY	82-08-18	198	<.10	<.00	<.10	<.00	<.00
404414073325302	N 9450 CD CK WELL 5B	211MGTY	82-02-23	105	<.10	<.00	<.10	<.00	<.00
		211MGTY	82-08-18	105	<.10	<.00	<.10	<.00	<.00

DATE OF SAMPLE	DDT, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)
82-02-24	<.00	<.01	.40	<.00	<.00	<.01	<.00	<.00	<.00	<.01	<.01	<.01
82-08-16	<.00	<.01	.38	<.00	<.00	<.01	<.00	<.00	<.00	<.01	<.01	<.01
82-02-24	<.00	<.01	.11	<.00	.01	<.01	<.00	.00	<.00	<.01	<.01	<.01
82-08-16	<.00	<.01	.17	<.00	.02	<.01	<.00	<.00	<.00	<.01	<.01	<.01
82-02-22	<.00	<.01	.03	<.00	<.00	<.01	<.00	.01	<.00	<.01	<.01	<.01
82-06-09	<.00	<.01	.02	<.00	<.00	<.01	<.00	<.00	<.00	<.01	<.01	<.01
82-08-17	<.00	<.01	.02	<.00	<.00	<.01	<.00	<.00	<.00	<.01	<.01	<.01
82-02-22	<.00	<.01	.02	<.00	<.00	<.01	<.00	.00	<.00	<.01	<.01	<.01
82-06-09	<.00	<.01	<.00	<.00	<.00	<.01	<.00	.00	<.00	<.01	<.01	<.01
82-08-17	<.00	<.01	.01	<.00	<.00	<.01	<.00	<.00	<.00	<.01	<.01	<.01
82-09-15	<.01	--	.01	<.01	<.01	--	<.01	<.01	<.01	--	--	--
82-02-23	<.00	<.01	<.00	<.00	<.00	<.01	<.00	<.00	<.00	<.01	<.01	<.01
82-08-18	<.00	<.01	<.00	<.00	<.00	<.01	<.00	<.00	<.00	<.01	<.01	<.01
82-02-23	<.00	<.01	.00	<.00	<.00	<.01	<.00	.00	<.00	<.01	<.01	<.01
82-08-18	<.00	<.01	.00	<.00	<.00	<.01	<.00	.00	<.00	<.01	<.01	<.01

DATE OF SAMPLE	MIREX, TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
82-02-24	<.01	<.10	<.01	<.01	<0	<.01	<.01	<.01	<.01	<.01
82-08-16	<.01	<.10	<.01	<.10	<1	<.01	.01	.06	<.01	.01
82-02-24	<.01	<.10	<.01	<.01	<0	<.01	<.01	.14	<.01	<.01
82-08-16	<.01	<.10	<.01	<.10	<1	<.01	<.01	<.01	<.01	<.01
82-02-22	<.01	<.10	<.01	<.01	<0	<.01	<.01	<.01	<.01	<.01
82-06-09	<.01	<.10	<.01	<.10	<1	<.01	<.01	<.01	<.01	<.01
82-08-17	<.01	<.10	<.01	<.10	<1	<.01	<.01	<.01	<.01	<.01
82-02-22	<.01	<.10	<.01	<.01	<0	<.01	<.01	<.01	<.01	<.01
82-06-09	<.01	<.10	<.01	<.10	<1	<.01	<.01	<.01	<.01	<.01
82-08-17	<.01	<.10	<.01	<.10	<1	<.01	<.01	<.01	<.01	<.01
82-09-15	<.01	<.10	--	<.10	<1	--	--	--	<.01	--
82-02-23	<.01	<.10	<.01	<.01	<0	<.01	<.01	<.01	<.01	<.01
82-08-18	<.01	<.10	<.01	<.10	<1	<.01	<.01	<.01	<.01	<.01
82-02-23	<.01	<.10	<.01	<.01	<0	<.01	<.01	<.01	<.01	<.01
82-08-18	<.01	<.10	<.01	<.10	<1	<.01	<.01	<.01	<.01	<.01

PESTICIDE ANALYSES OF GROUND WATER

WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

NASSAU COUNTY--Continued

All samples were collected and analyzed by U.S. Geological Survey.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	PCB, TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)
404414073325303	N 9451 CD CK WELL 5C	112GLCLU	82-02-23	45	<.10	<.00	<.10	<.00	<.00
		112GLCLU	82-08-18	45	<.10	<.00	<.10	<.00	<.00

DATE OF SAMPLE	DDT, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)
82-02-23	<.00	<.01	.01	<.00	<.00	<.01	<.00	.01	<.00	<.01	<.01	<.01
82-08-18	<.00	<.01	.03	<.00	<.00	<.01	<.00	<.00	<.00	<.01	<.01	<.01

DATE OF SAMPLE	MIREX, TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
82-02-23	<.01	<.10	<.01	<.01	<0	<.01	<.01	<.01	<.01	<.01
82-08-18	<.01	<.10	<.01	<.10	<1	<.01	<.01	<.01	<.01	<.01

Geological unit (aquifer):
112GLCLU - Upper Glacial Aquifer, Pleistocene age.
112GRDR - Gardiners Clay, Pleistocene age.
112JMCO - Jameco Gravel, Pleistocene age.
211LLYD - Llyod Aquifer, Cretaceous age.
211MGTY - Magothy Aquifer, Cretaceous age.
211RNCF - Raritan Confining Unit, Cretaceous age.

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FACTORS FOR CONVERTING INCH-POUND UNITS TO INTERNATIONAL SYSTEM UNITS (SI)

The following factors may be used to convert the inch-pound units published herein to the International System of Units (SI). This report contains both the inch-pound and SI unit equivalents in the station manuscript descriptions.

Multiply inch-pound units	By	To obtain SI units
	Length	
inches (in)	2.54x10^{1}	millimeters (mm)
	2.54x10^{-2}	meters (m)
feet (ft)	3.048x10^{-1}	meters (m)
miles (mi)	1.609x10^{0}	kilometers (km)
	Area	
acres	4.047x10^{3}	square meters (m^{2})
	4.047x10^{-1}	square hectometers (hm^{2})
	4.047x10^{-3}	square kilometers (km^{2})
square miles (mi^{2})	2.590x10^{0}	square kilometers (km^{2})
	Volume	
gallons (gal)	3.785x10^{0}	liters (L)
	3.785x10^{0}	cubic decimeters (dm^{3})
	3.785x10^{-3}	cubic meters (m^{3})
million gallons	3.785x10^{3}	cubic meters (m^{3})
	3.785x10^{-3}	cubic hectometers (hm^{3})
cubic feet (ft^{3})	2.832x10^{1}	cubic decimeters (dm^{3})
	2.832x10^{-2}	cubic meters (m^{3})
cfs-days	2.447x10^{3}	cubic meters (m^{3})
	2.447x10^{-3}	cubic hectometers (hm^{3})
acre-feet (acre-ft)	1.233x10^{3}	cubic meters (m^{3})
	1.233x10^{-3}	cubic hectometers (hm^{3})
	1.233x10^{-6}	cubic kilometers (km^{3})
	Flow	
cubic feet per second (ft^{3}/s)	2.832x10^{1}	liters per second (L/s)
	2.832x10^{1}	cubic decimeters per second (dm^{3}/s)
	2.832x10^{-2}	cubic meters per second (m^{3}/s)
gallons per minute (gal/min)	6.309x10^{-2}	liters per second (L/s)
	6.309x10^{-2}	cubic decimeters per second (dm^{3}/s)
	6.309x10^{-5}	cubic meters per second (m^{3}/s)
million gallons per day	4.381x10^{1}	cubic decimeters per second (dm^{3}/s)
	4.381x10^{-2}	cubic meters per second (m^{3}/s)
	Mass	
tons (short)	9.072x10^{-1}	megagrams (Mg) or metric tons